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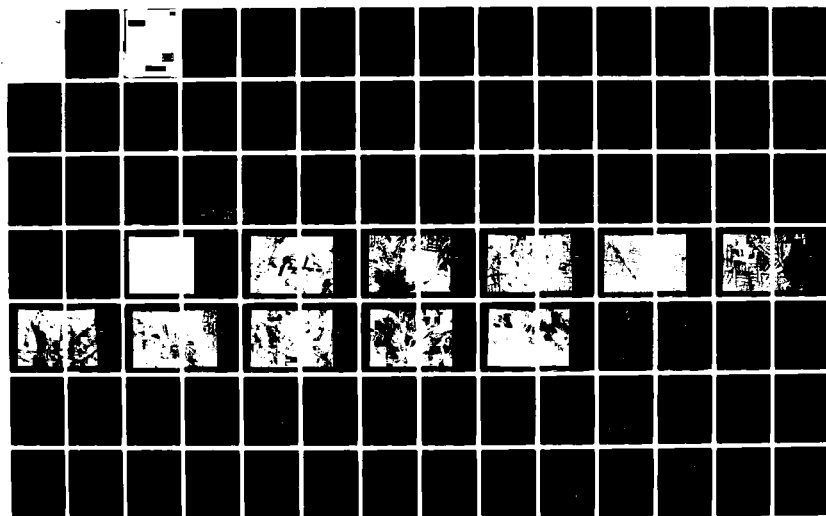
WATER RESOURCES INVESTIGATION CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA MISSOURI VOLUME 3 PLATES(U) ARMY  
ENGINEER DISTRICT ST LOUIS MO DEC 83

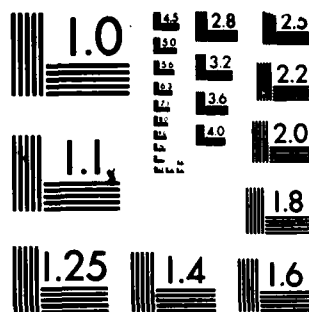
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Water Resources Investigation Cape Girardeau- Jackson Metropolitan Area, Missouri Vol.3 - Plates		5. TYPE OF REPORT & PERIOD COVERED Survey Report
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS U.S. Army Engineer District, St. Louis 210 Tucker Boulevard, North St. Louis, MO 63101		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE December 1983
		13. NUMBER OF PAGES 121
		15. SECURITY CLASS. (of this report)  UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Studies of a 210-square mile area including the Cape Girardeau-Jackson, Missouri metropolitan areas are addressed in this report. The problem of flooding along Cape La Croix Creek and Walker Branch in the City of Cape Girardeau (drainage area of 21.4 square miles) is addressed by the Recommended Plan. Environmental, outdoor recreation, and social well-being concerns have also been addressed. Flood control improvements for the remainder of the study area, including the city of Jackson and the rural area along the Little River Diversion Channel, are not economically justified at this time.		

Original contains color  
plates: All DTIC reproductions  
will be in black and  
white.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

20. (Continued)

The Recommended Plan has widespread public support; it reduces the total average annual flood damages by about 85%; and addresses the environmental and outdoor recreational needs. With implementation of the Recommended Plan of improvements the flood damages normally expected to result from a 500-year flood (this is a flood having a 0.2 percent chance of occurring in any one particular year) would be reduced by about 61 percent. Some 263 existing structures subject to flooding will have full 100-year flood protection with 44 additional structures receiving partial protection. Average annual tangible benefits divided by average annual costs yield a benefit-to-cost ratio of 1.7 to 1, based on 8-1/8 percent interest and October 1983 price levels.

The Recommended Plan of improvements is estimated to cost \$25,900,000 based on October 1983 price levels. Under existing laws and cost sharing procedures these costs would be shared \$20,700,000 Federal and \$5,200,000 non-Federal sponsor. In addition, the local sponsor would be responsible for all operation and maintenance costs currently estimated to be about \$58,100 annually, plus \$45,700 annual major replacement costs, totalling \$103,800 annually. The Cape La Croix Creek and Walker Branch Levee and Drainage District is the local sponsor. No mitigation would be required by the implementation of the Recommended Plan and no unresolved environmental or other issues are known to exist.

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

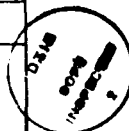


CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA, MISSOURI

SURVEY REPORT

VOLUME THREE - PLATES

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\*Original copy of color  
plate will be submitted  
to the Library and  
Archives

# LIST OF PLATES

<u>NO.</u>	<u>TITLE</u>
A-1	Study Area
A-2	Southeast Missouri Regional Planning Commission Area
D-1	Cape La Croix Creek Watershed
D-2	Isohyet Pattern, 26-27 May 1973 Storm
D-3	Isohyet Pattern, 27-28 March 1977 Storm
D-4	HEC-1 Schematic
D-5 thru	
D-12	Typical X-Sections, Cape La Croix Creek and Walker Branch
D-13	Runoff Hydrographs, 26-27 May 1973 Storm, Cape La Croix Creek
D-14	Runoff Hydrographs, 26-27 May 1973 Storm, Walker Branch
D-15	Runoff Hydrographs, 27-28 March 1977 Storm, Cape La Croix Creek
D-16	Runoff Hydrographs, 27-28 March 1977 Storm, Walker Branch
D-17	Water Surface Profiles, May 1973 and March 1977 Floods, Cape La Croix Creek
D-18	Water Surface Profiles, May 1973 and March 1977 Floods, Walker Branch
D-19, D-20	Water Surface Profiles, Future Conditions Without Project, Cape La Croix Creek
D-21	Water Surface Profiles, Future Conditions Without Project, Walker Branch
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D-32	Flooded Area Maps, Future Conditions Without Project
D-33	Dry Detention Reservoir Sites
D-34 thru	
D-39	Standard Project Flood Hydrographs

LIST OF PLATES (continued)

<u>NO.</u>	<u>TITLE</u>
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D-46 thru	
D-51	Discharge Frequency Curves, SPF Plan
D-52, D-53	Water Surface Profiles, SPF Plan, Cape La Croix Creek
D-54	Water Surface Profiles, SPF Plan Walker Branch
D-55	Storage Elevation Curve, Dry Detention Reservoir No. 1
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D-70	Water Surface Profiles, Recommended Plan, Walker Branch
D-71 thru	
D-76	Stage Frequency Curves, Recommended Plan
D-77 thru	
D-87	Flooded Area Maps, Recommended Plan
D-88, D-89	Water Surface Profiles, Cape La Croix Creek, PLAN A or EQ PLAN
D-90	Water Surface Profiles, Walker Branch, PLAN A or EQ PLAN

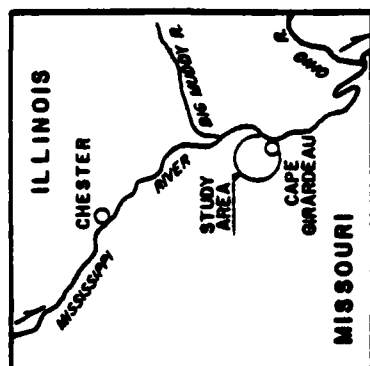
LIST OF PLATES (continued)

<u>NO.</u>	<u>TITLE</u>
D-40 thru	
D-45	Discharge Hydrographs, SPF Plan
D-46 thru	
D-51	Discharge Frequency Curves, SPF Plan
D-52, D-53	Water Surface Profiles, SPF Plan, Cape La Croix Creek
D-54	Water Surface Profiles, SPF Plan Walker Branch
D-55	Storage Elevation Curve, Dry Detention Reservoir No. 1
D-56 thru	
D-61	Discharge Hydrographs, Recommended Plan
D-62 thru	
D-67	Discharge Frequency Curves, Recommended Plan
D-68, D-69	Water Surface Profiles, Recommended Plan, Cape La Croix Creek
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D-77 thru	
D-87	Flooded Area Maps, Recommended Plan
D-88, D-89	Water Surface Profiles, Cape La Croix Creek, PLAN A or EQ PLAN
D-90	Water Surface Profiles, Walker Branch, PLAN A or EQ PLAN

LIST OF PLATES (continued)

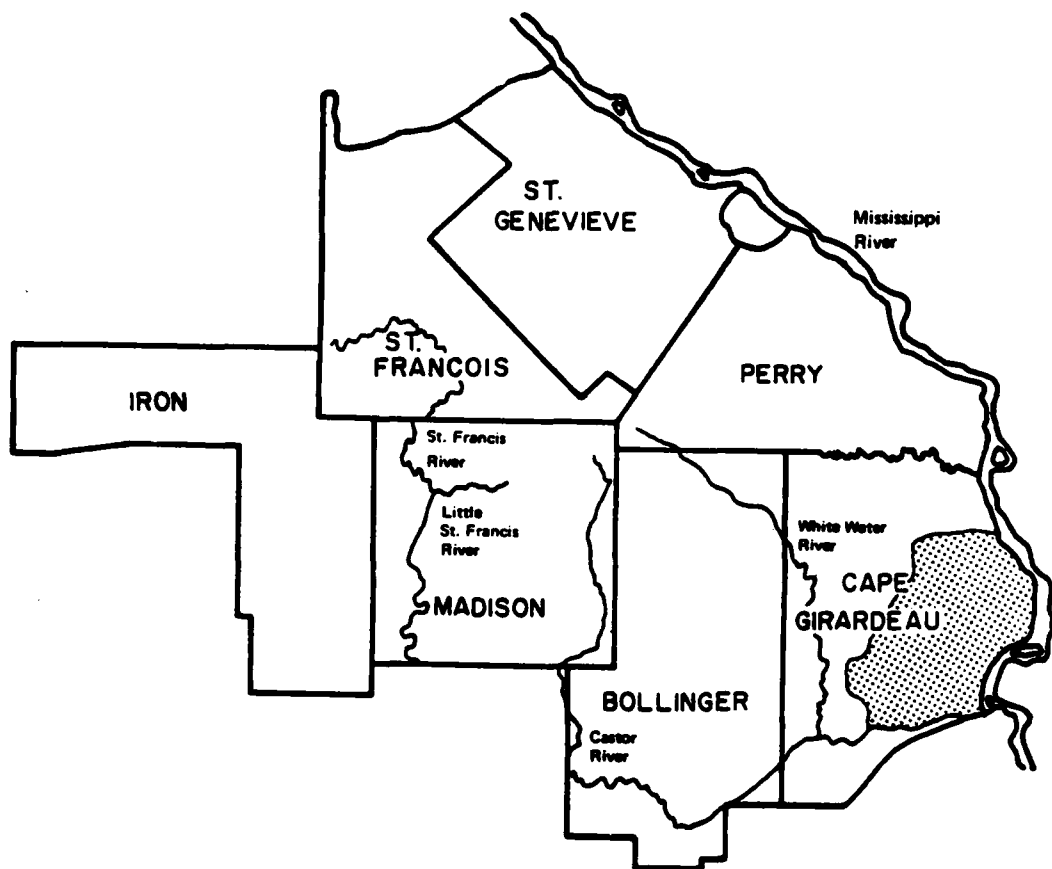
<u>NO.</u>	<u>TITLE</u>
E-1	Layout of Plates
E-2 thru	
E-5	Cape La Croix Creek Plan and Profile
E-6 thru	
E-7	Walker Branch Plan and Profile
E-8	Cape La Croix Creek Channel Transitions
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E-10	Typical Channel Sections
E-11	Detention Reservoir Plan
E-12	Detention Dam Profile and Section
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F-1	Location of Biological Sampling Sites
F-2	Existing Habitat - Cape La Croix Creek Watershed
F-3	Existing Habitat - Hopper Road Site
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F-6	Environmental Quality Plan
F-7	PLAN "A"
F-8	Recommended Plan
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F-10	Recommended Plan, Detention Site 1, Recreation Plan
I-1	404 Jurisdictional Area For Cape La Croix Creek Watershed - Entire Basin
I-2	404 Jurisdictional Area For Cape La Croix Creek Watershed - Sub Basin

**U. S. ARMY ENGINEER DISTRICT, ST. LOUIS  
LOWER MISSISSIPPI VALLEY DIVISION**



### VICINITY MAP

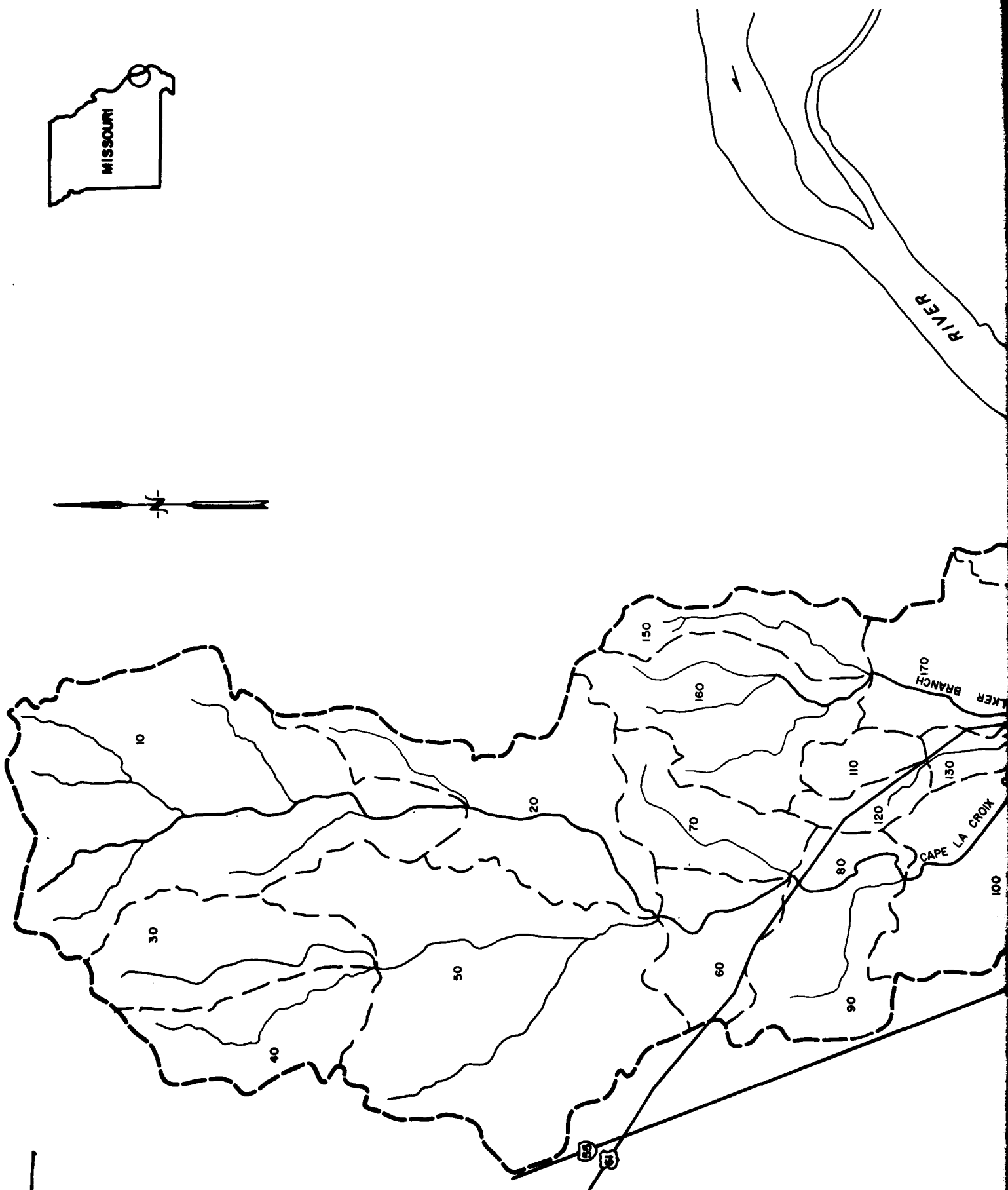
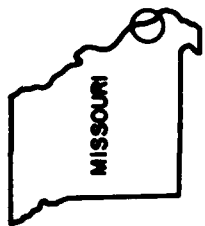
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 STUDY AREA

**SOUTHEAST MISSOURI  
REGIONAL PLANNING  
COMMISSION AREA**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MISSOURI

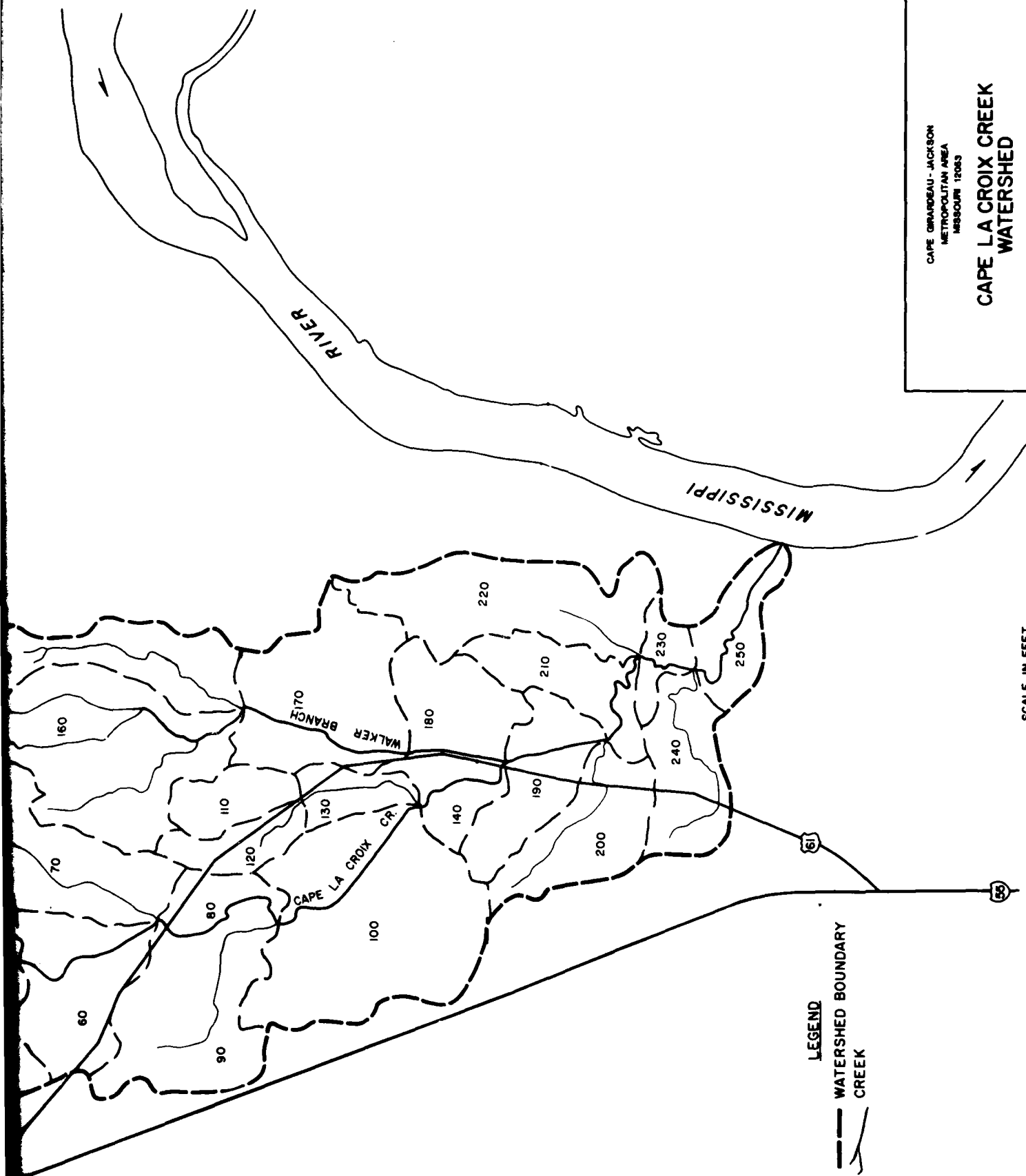




CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12083

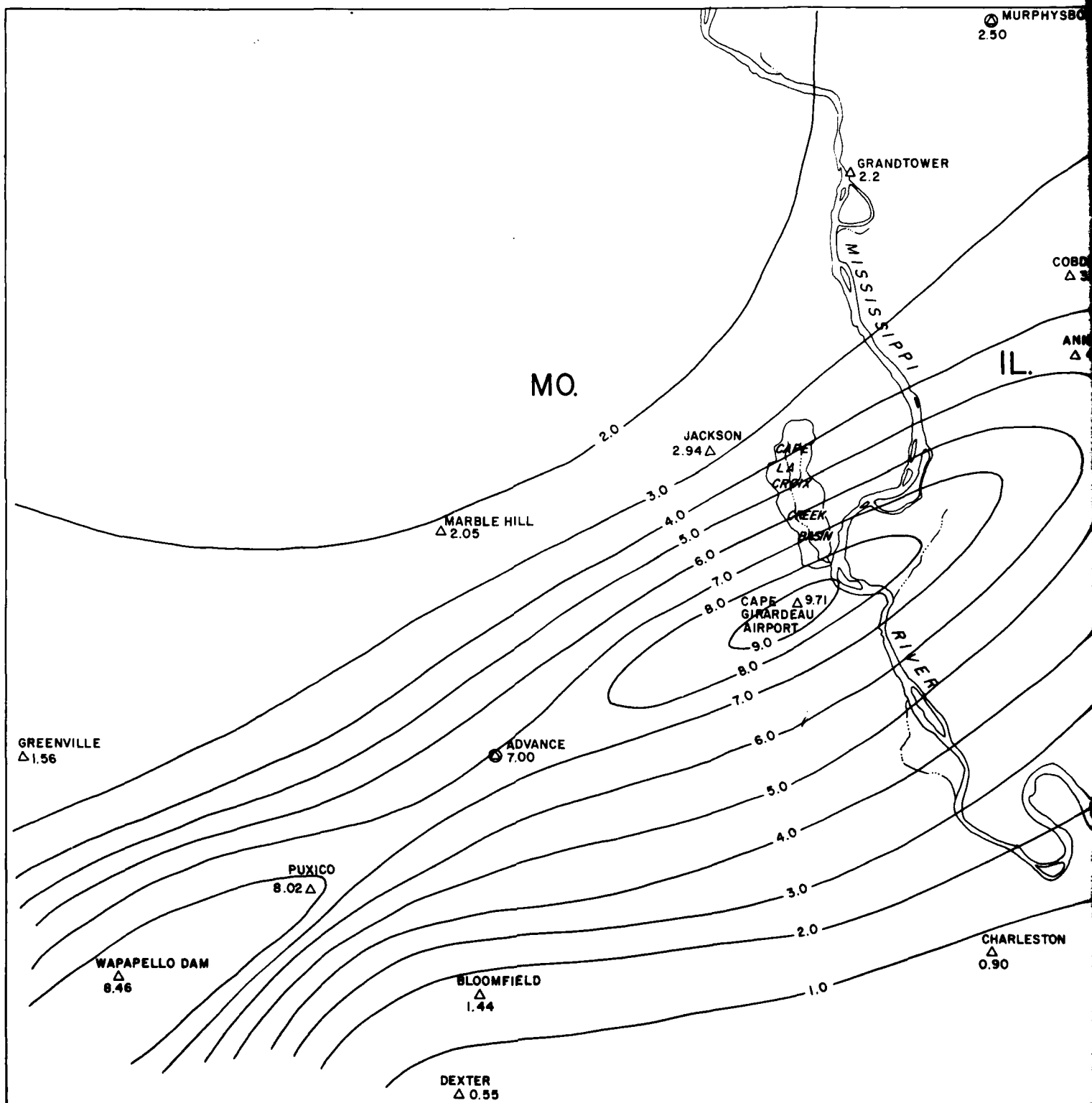
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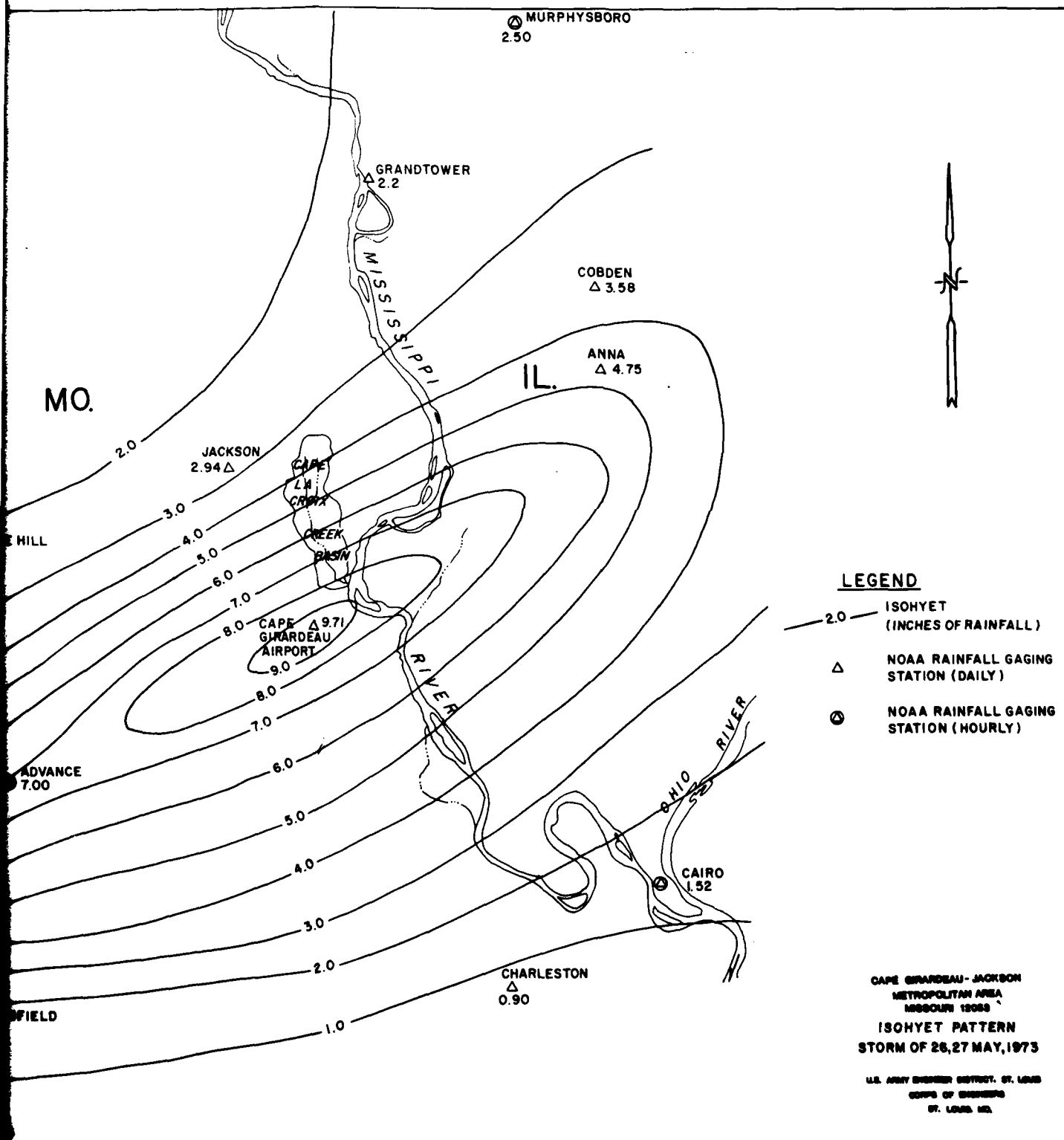
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CORPS OF ENGINEERS  
ST. LOUIS, MISSOURI

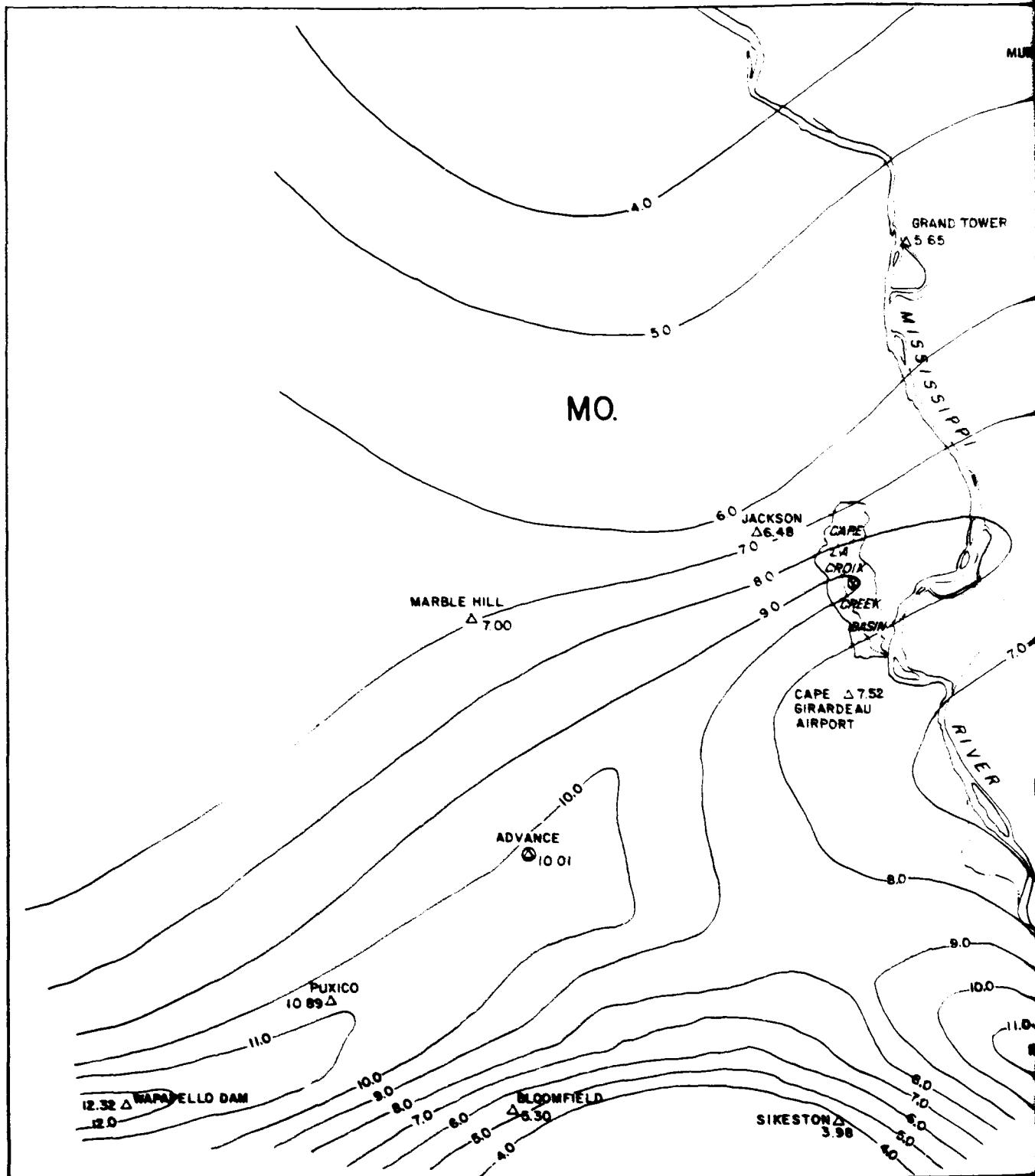


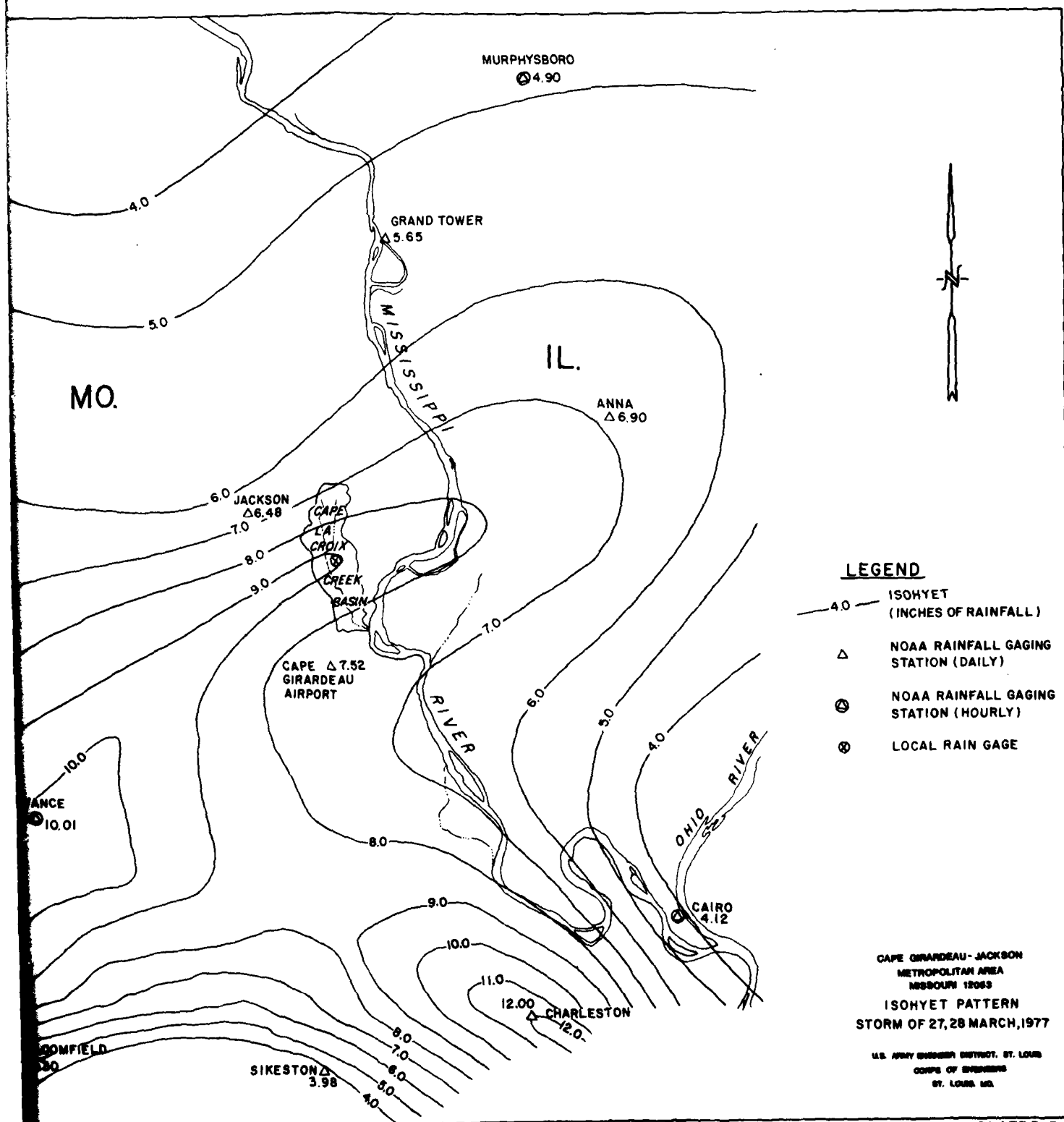
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--- WATERSHED BOUNDARY  
— CREEK

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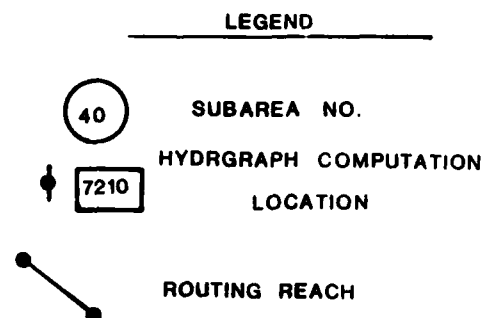
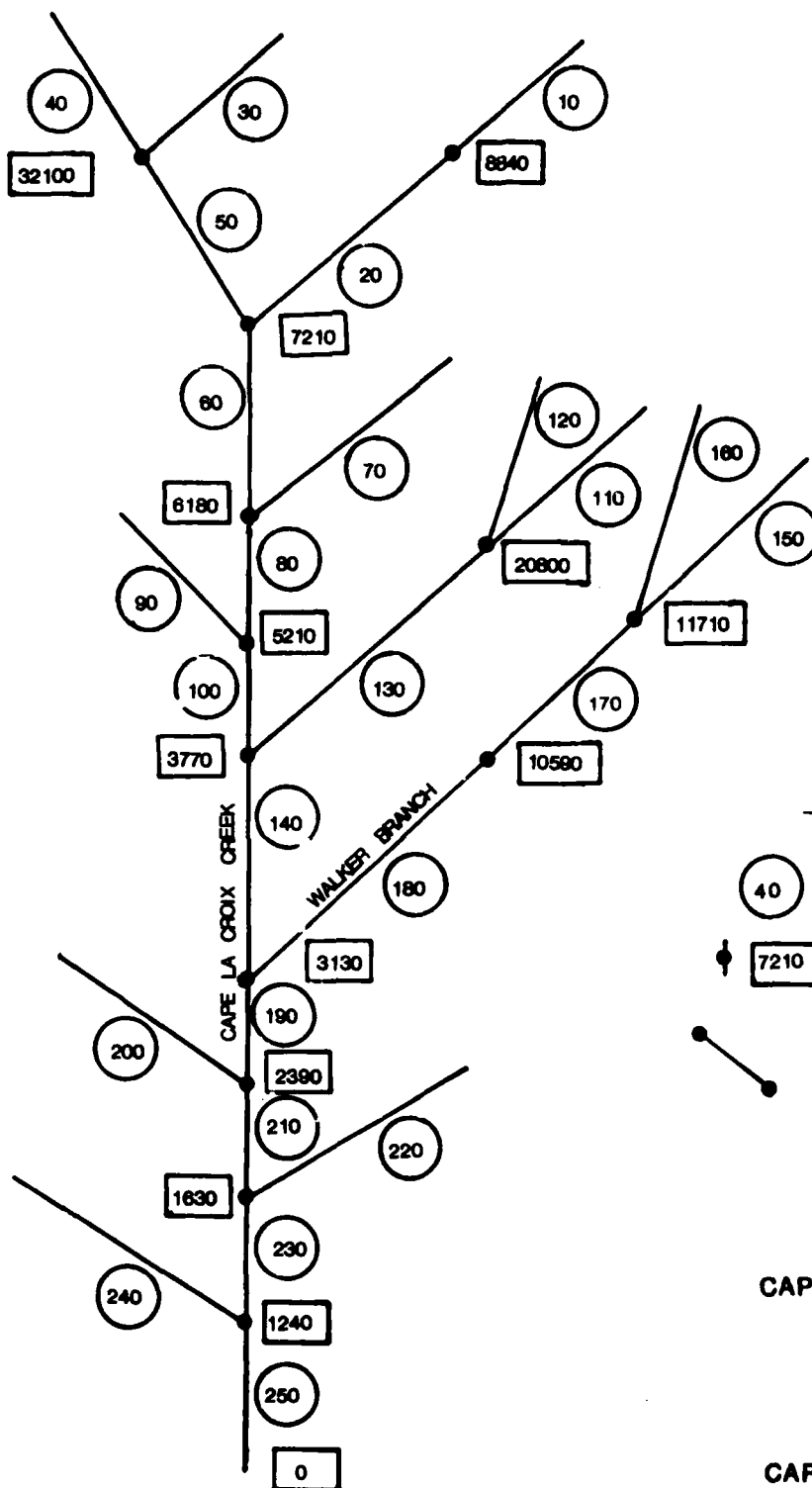








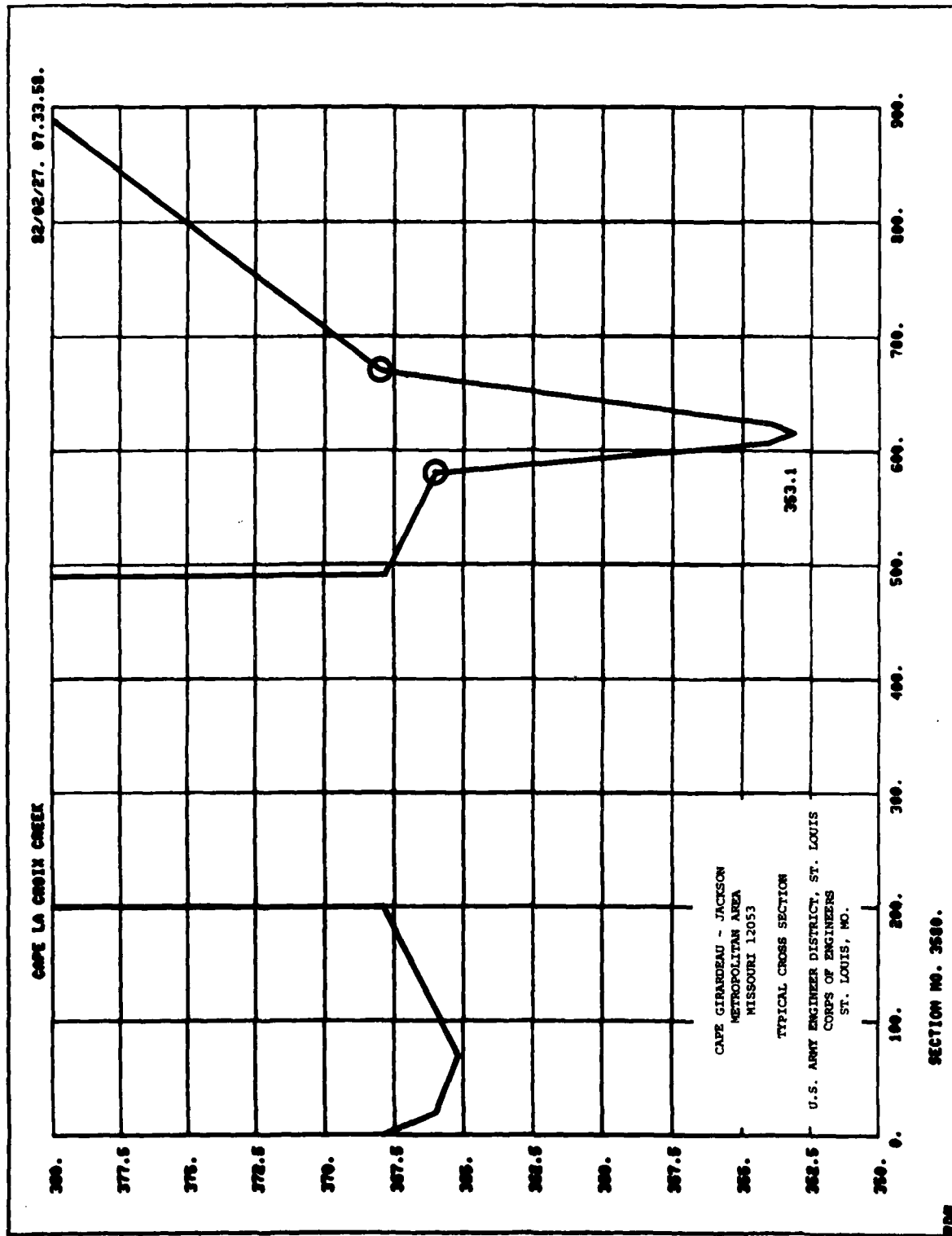
PLATED-3



CAPE GIRARDEAU - JACKSON  
 METROPOLITAN AREA  
 MISSOURI 12053  
 HEC-1 SCHEMATIC  
 CAPE LA CROIX CR. BASIN

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
 CORPS OF ENGINEERS  
 ST. LOUIS, MO.

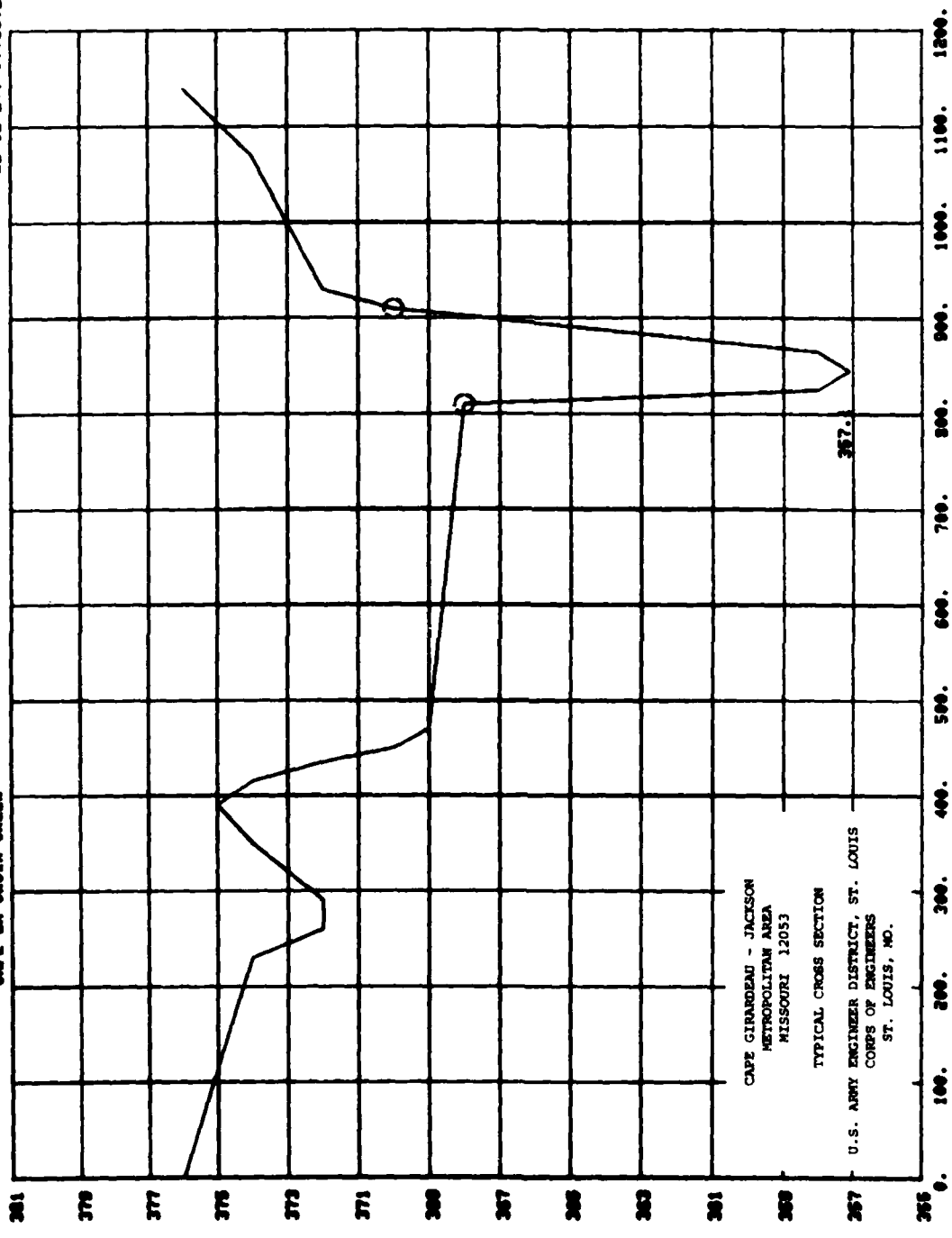






82/02/27. 07.36.21.

CAPE LA CROIX CREEK



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

TYPICAL CROSS SECTION

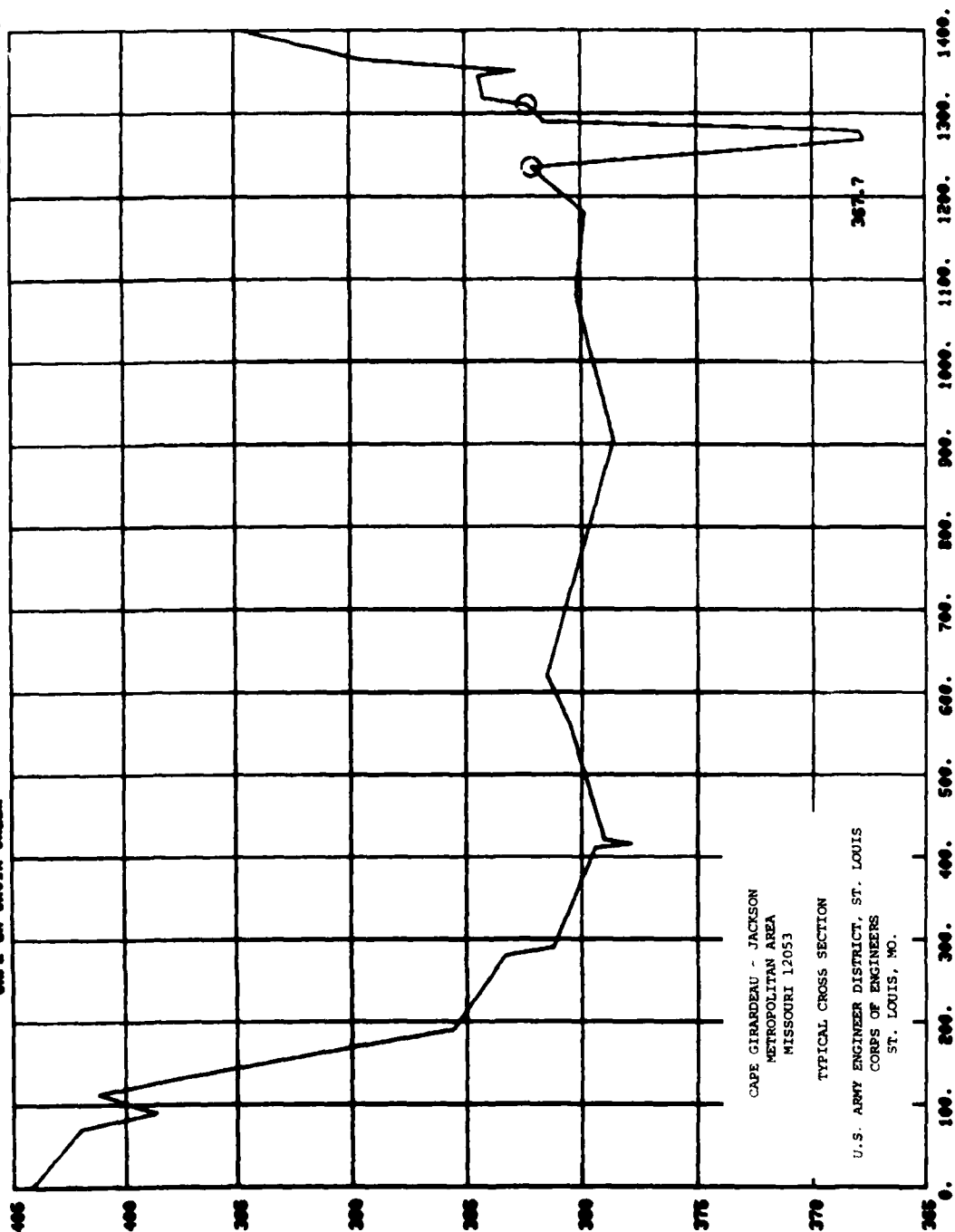
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CORPS OF ENGINEERS  
ST. LOUIS, MO.

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PLATE D-7

32/02/27. 07.41.05.

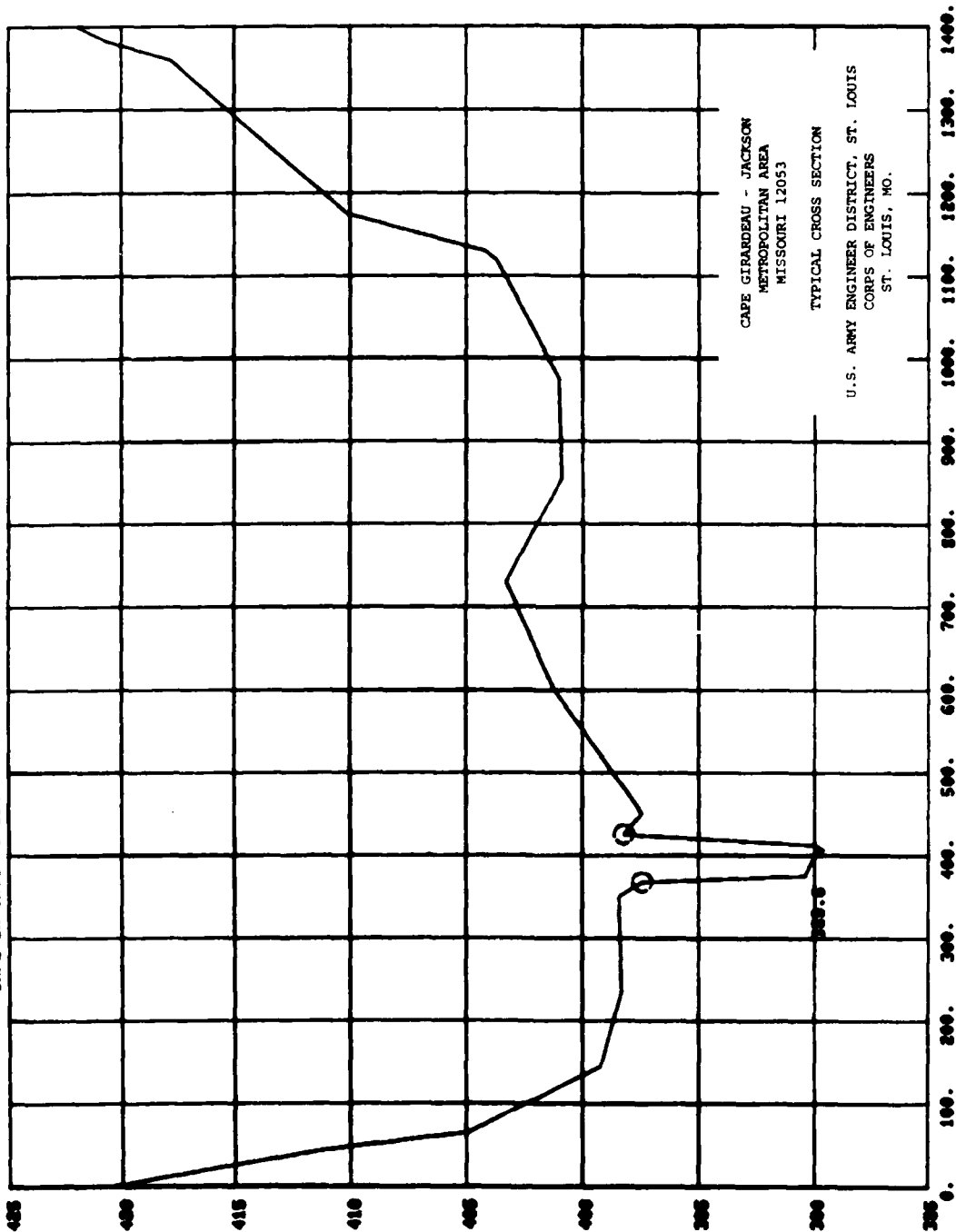
CAPE LA CROIX CREEK



SECTION NO. 5930.

82/02/27. 07.46.02.

CAPE LA CROIX CREEK

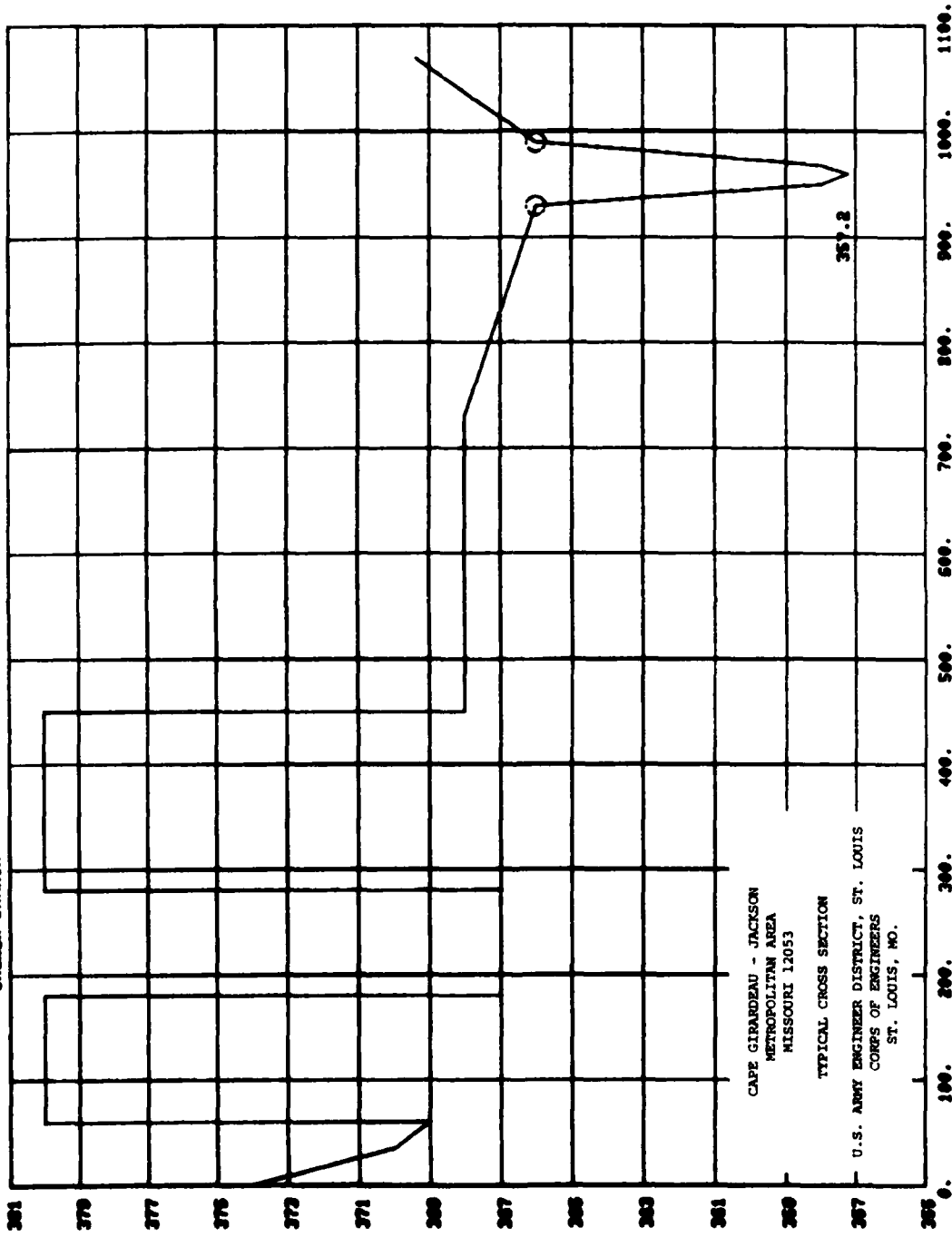


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32/02/27. 07.57.04.

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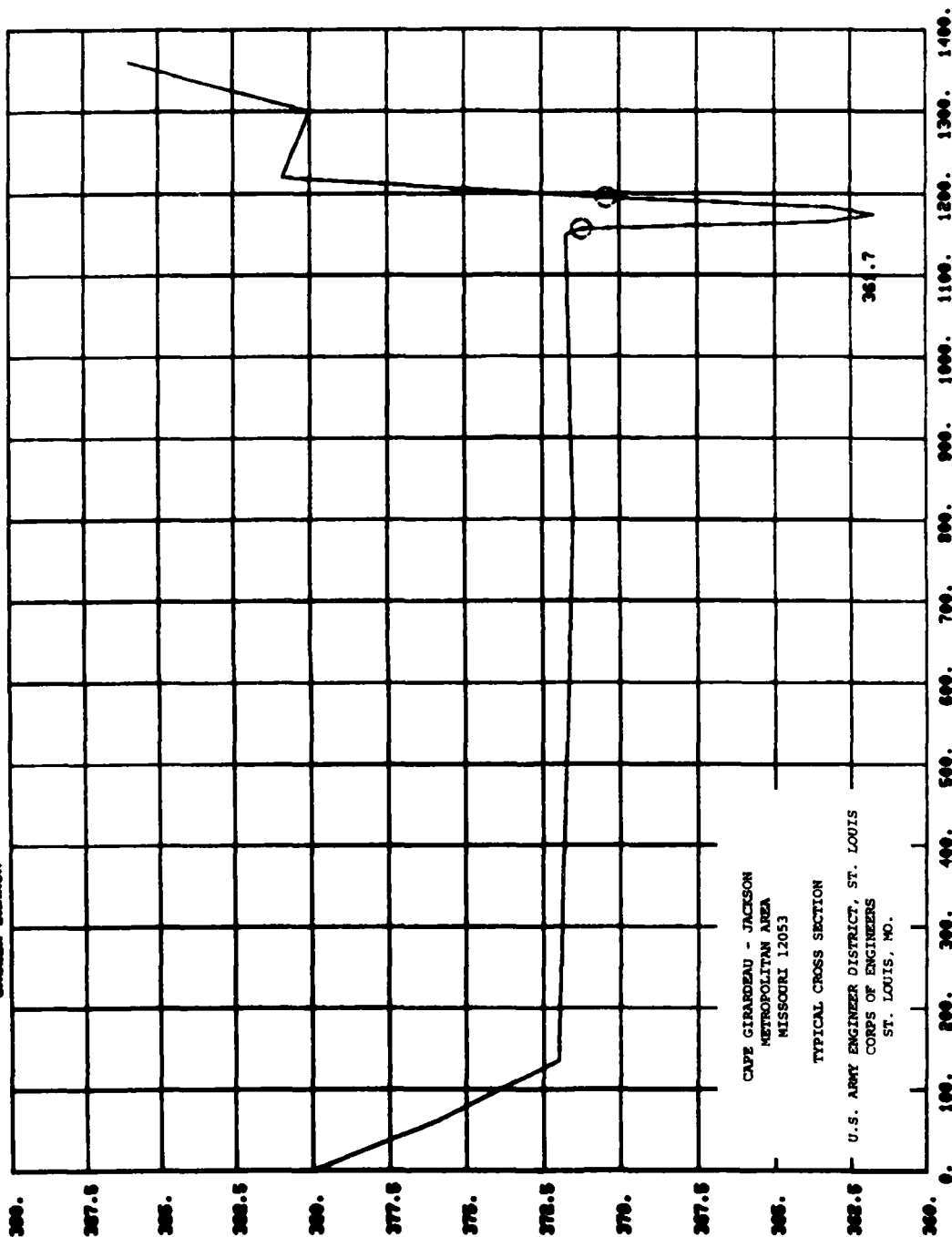


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PLATE D-10

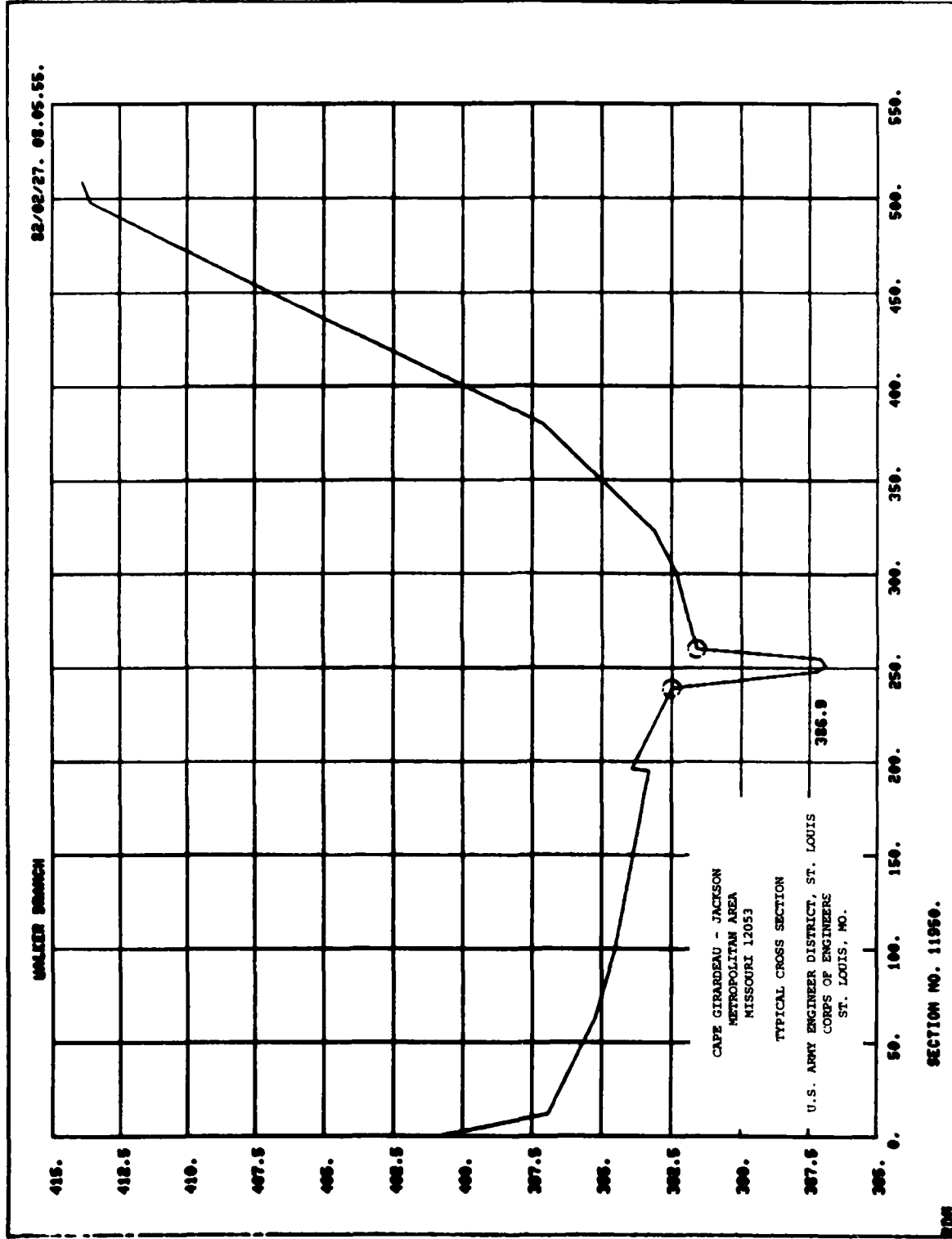
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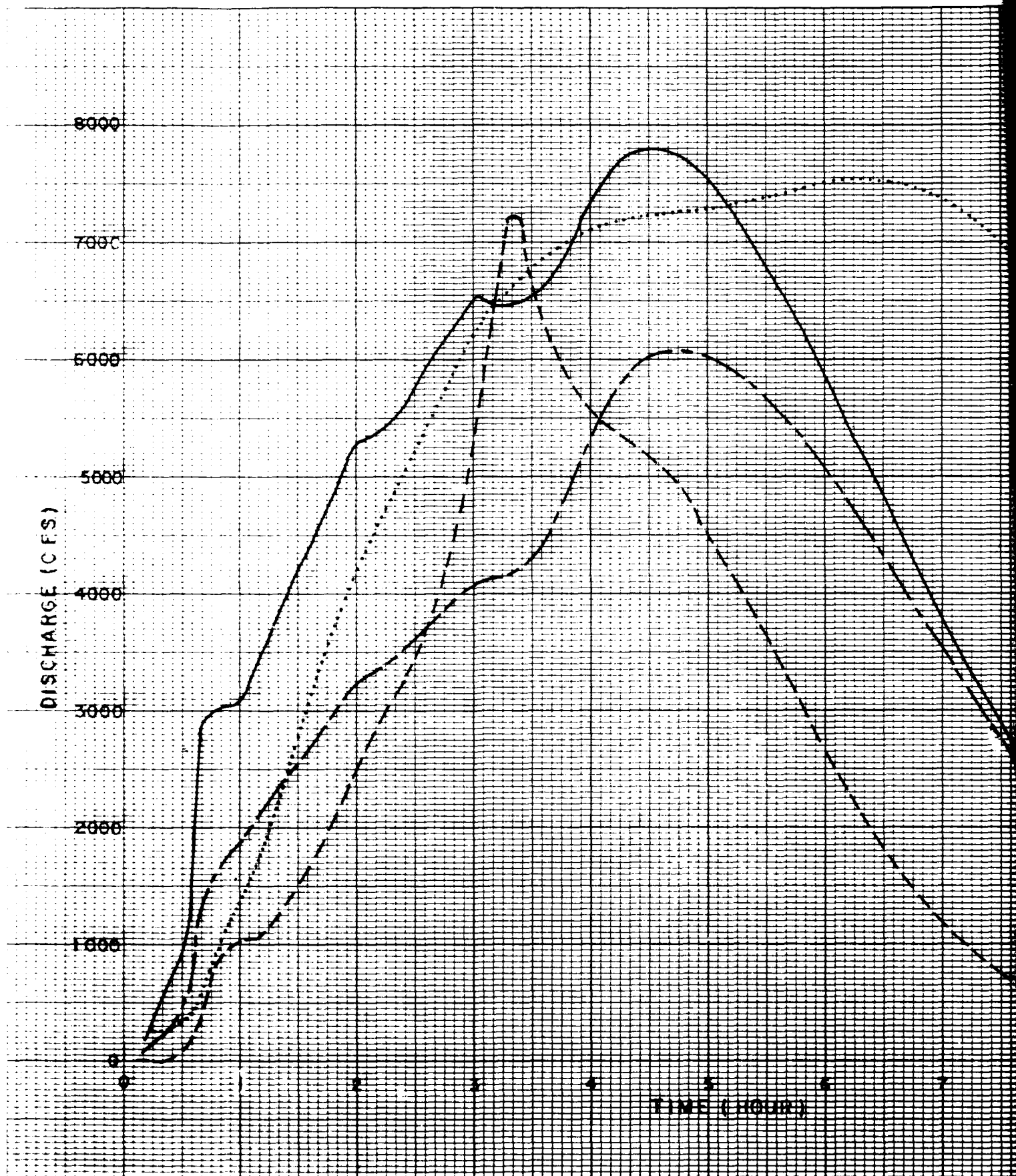
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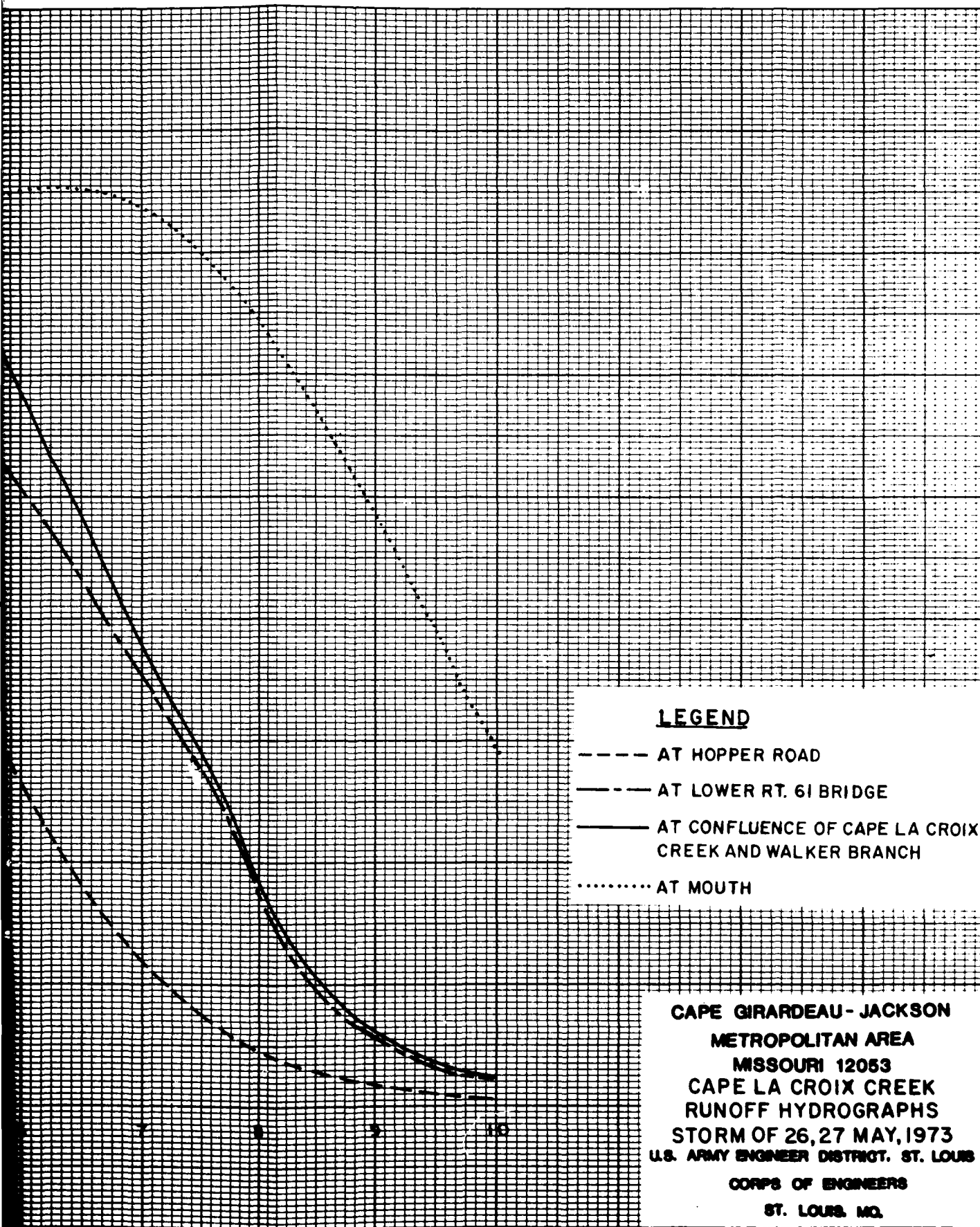


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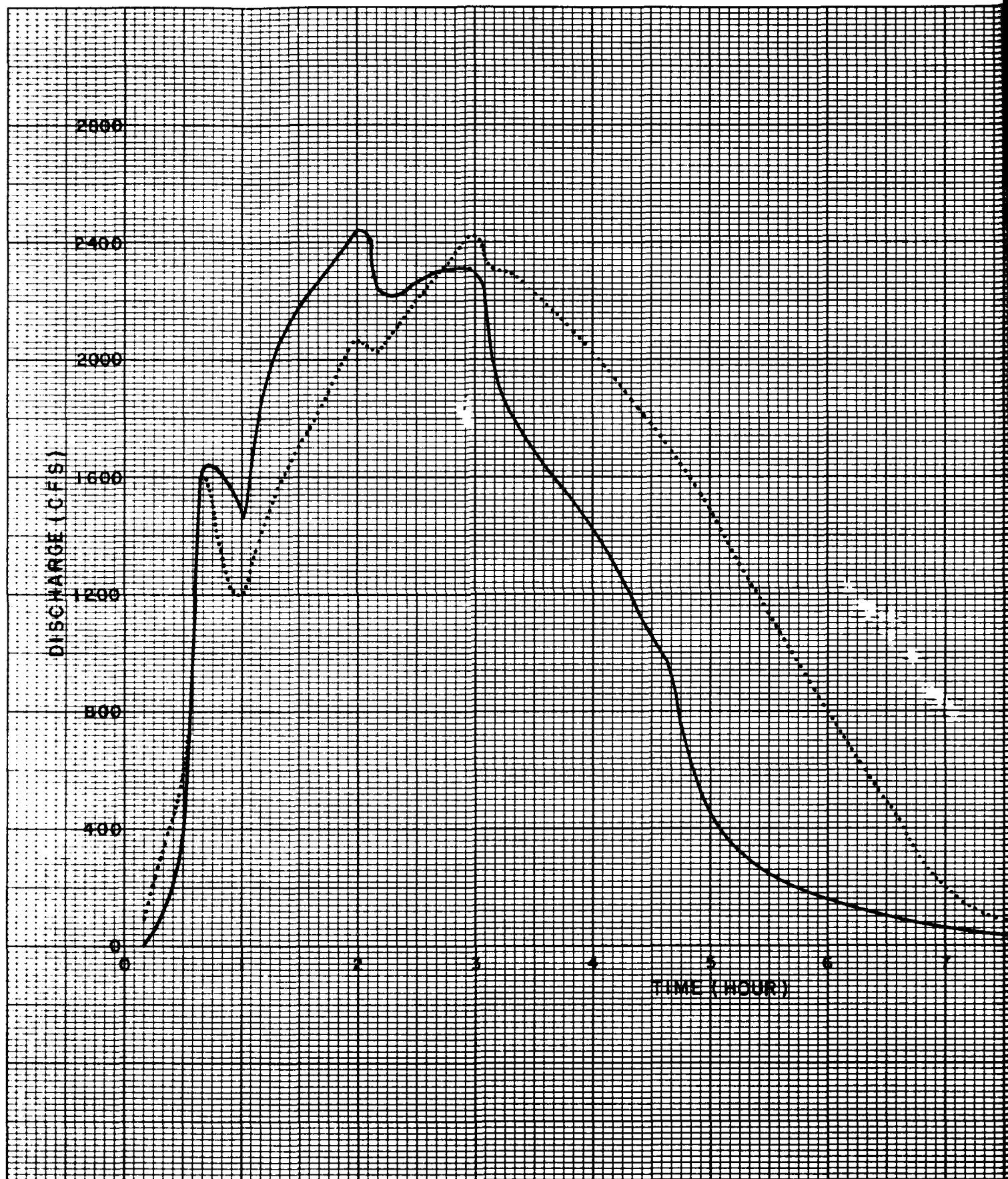
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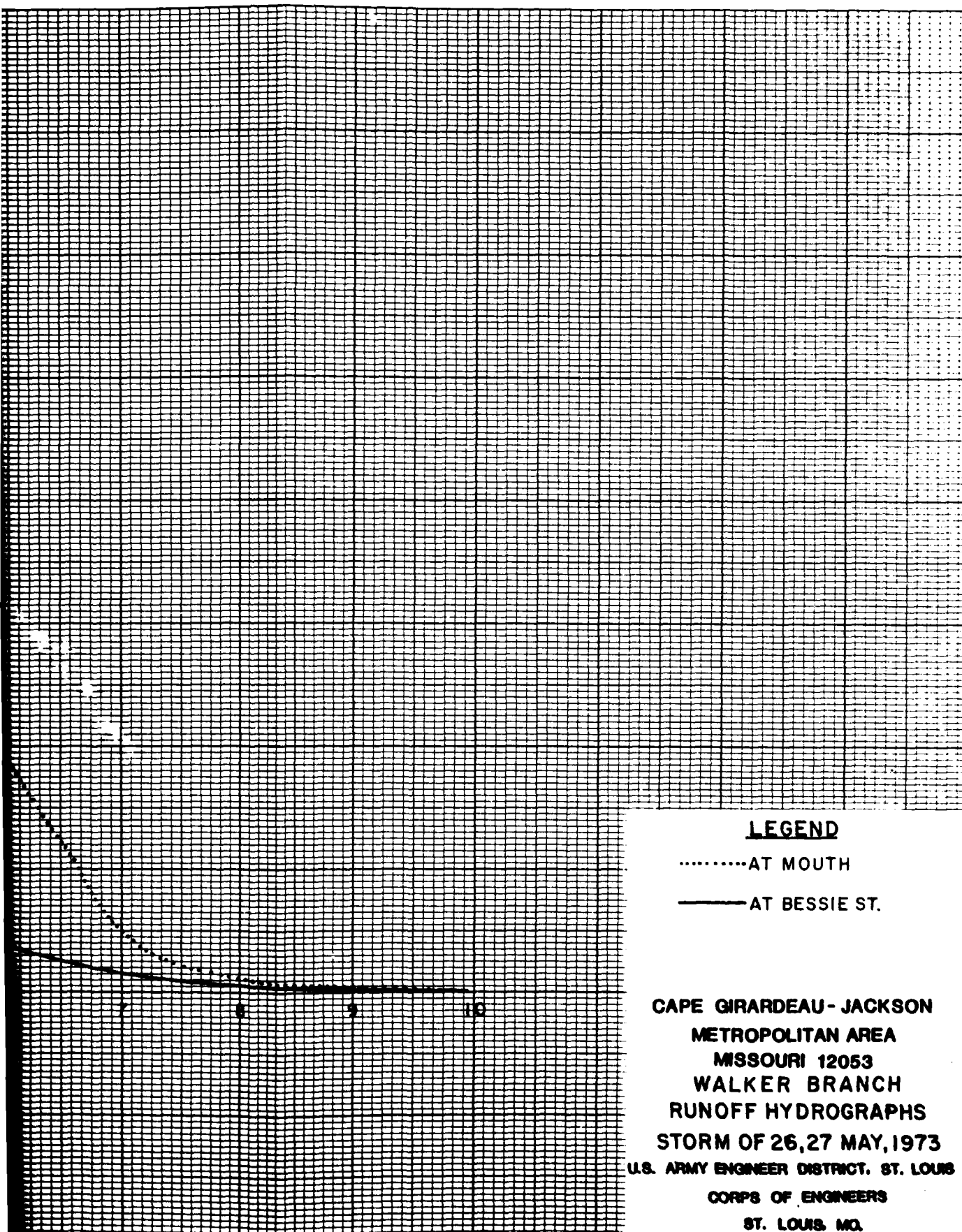












**LEGEND**

.....AT MOUTH

—— AT BESSIE ST.

**CAPE GIRARDEAU - JACKSON**

**METROPOLITAN AREA**

**MISSOURI 12053**

**WALKER BRANCH**

**RUNOFF HYDROGRAPHS**

**STORM OF 26,27 MAY, 1973**

**U.S. ARMY ENGINEER DISTRICT. ST. LOUIS**

**CORPS OF ENGINEERS**

**ST. LOUIS, MO.**

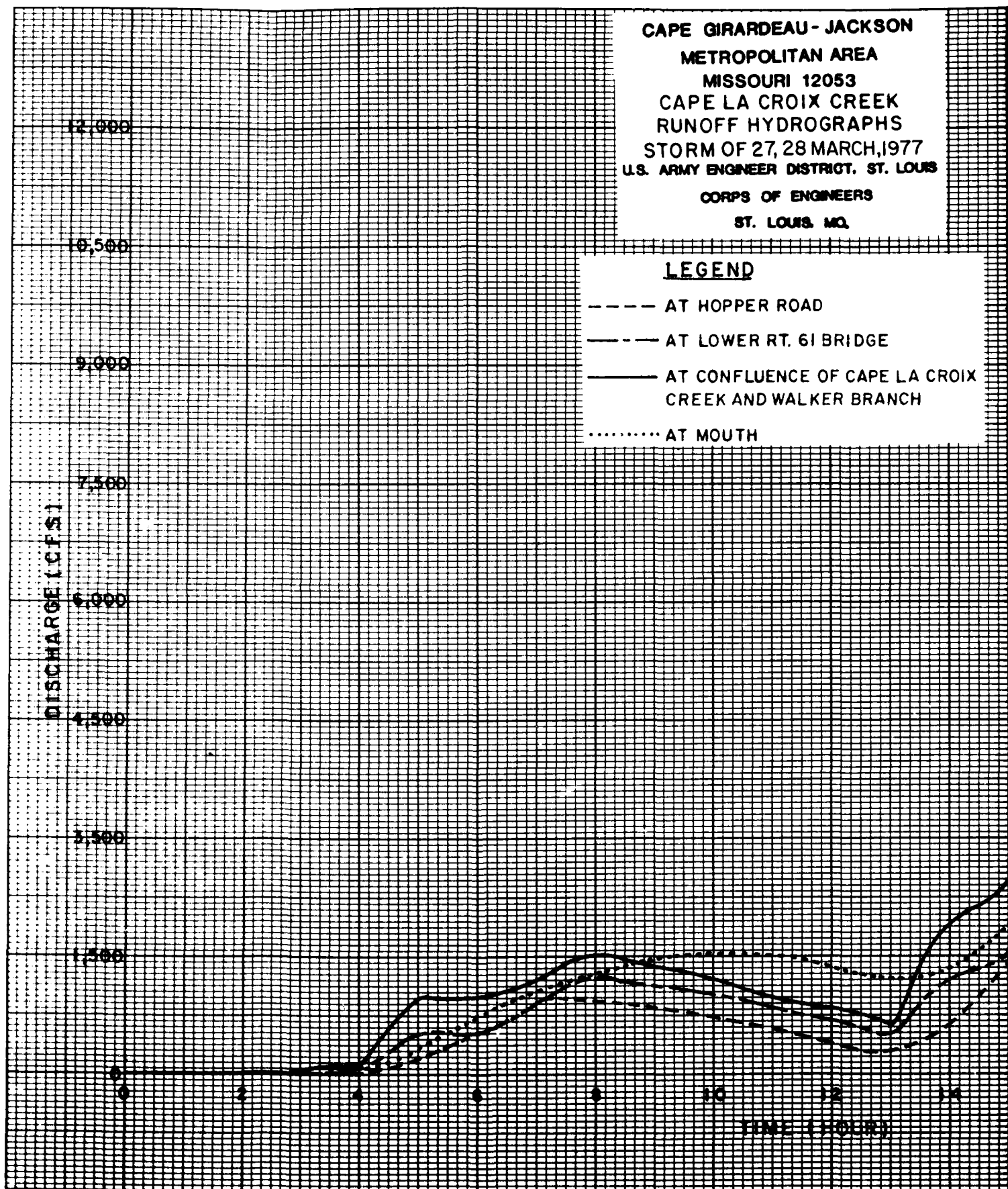
**PLATE D-14**

2

CAPE GIRARDEAU - JACKSON  
 METROPOLITAN AREA  
 MISSOURI 12053  
 CAPE LA CROIX CREEK  
 RUNOFF HYDROGRAPHS  
 STORM OF 27, 28 MARCH, 1977  
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
 CORPS OF ENGINEERS  
 ST. LOUIS, MO.

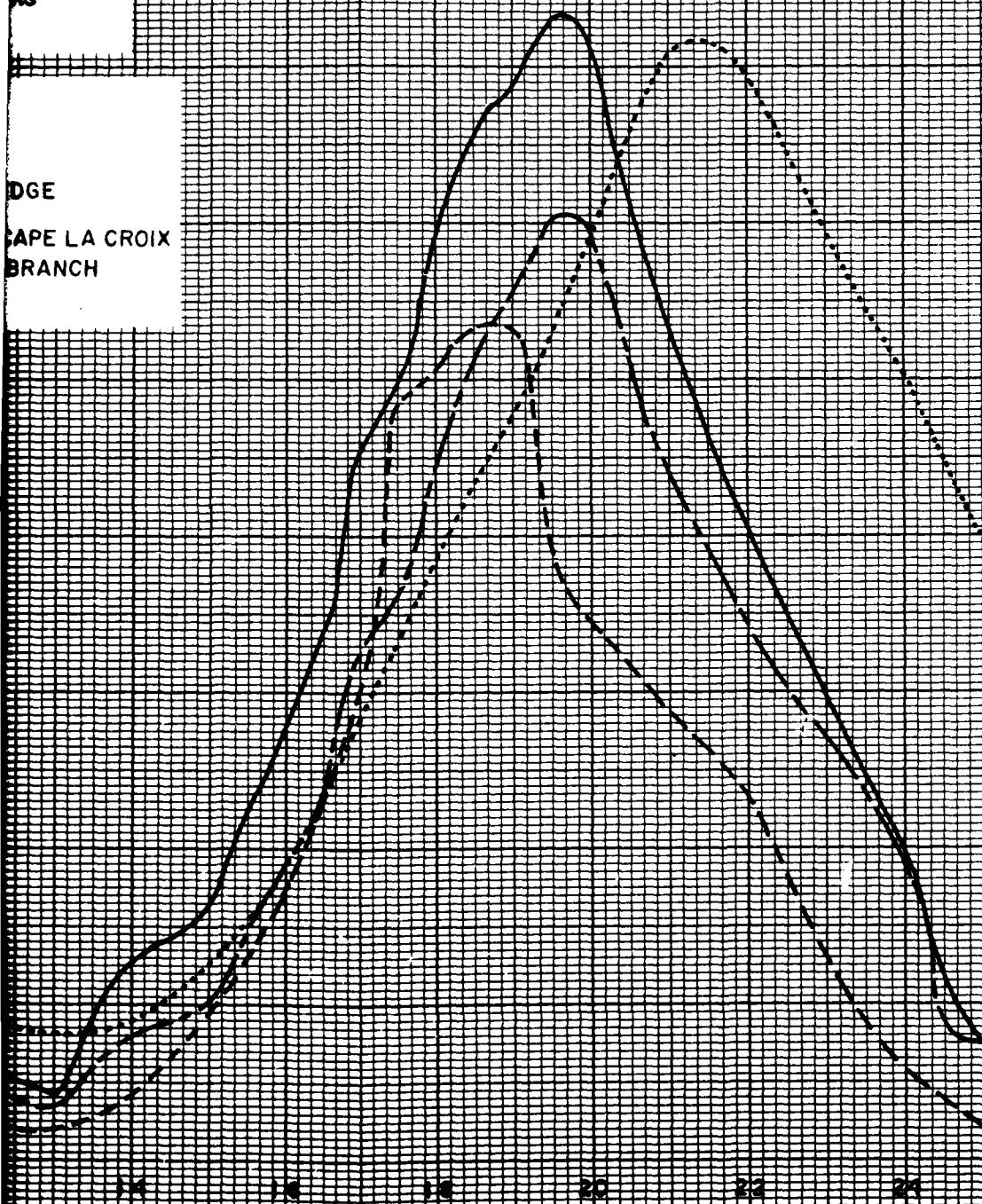
**LEGEND**

- AT HOPPER ROAD
- AT LOWER RT. 61 BRIDGE
- AT CONFLUENCE OF CAPE LA CROIX CREEK AND WALKER BRANCH
- ..... AT MOUTH

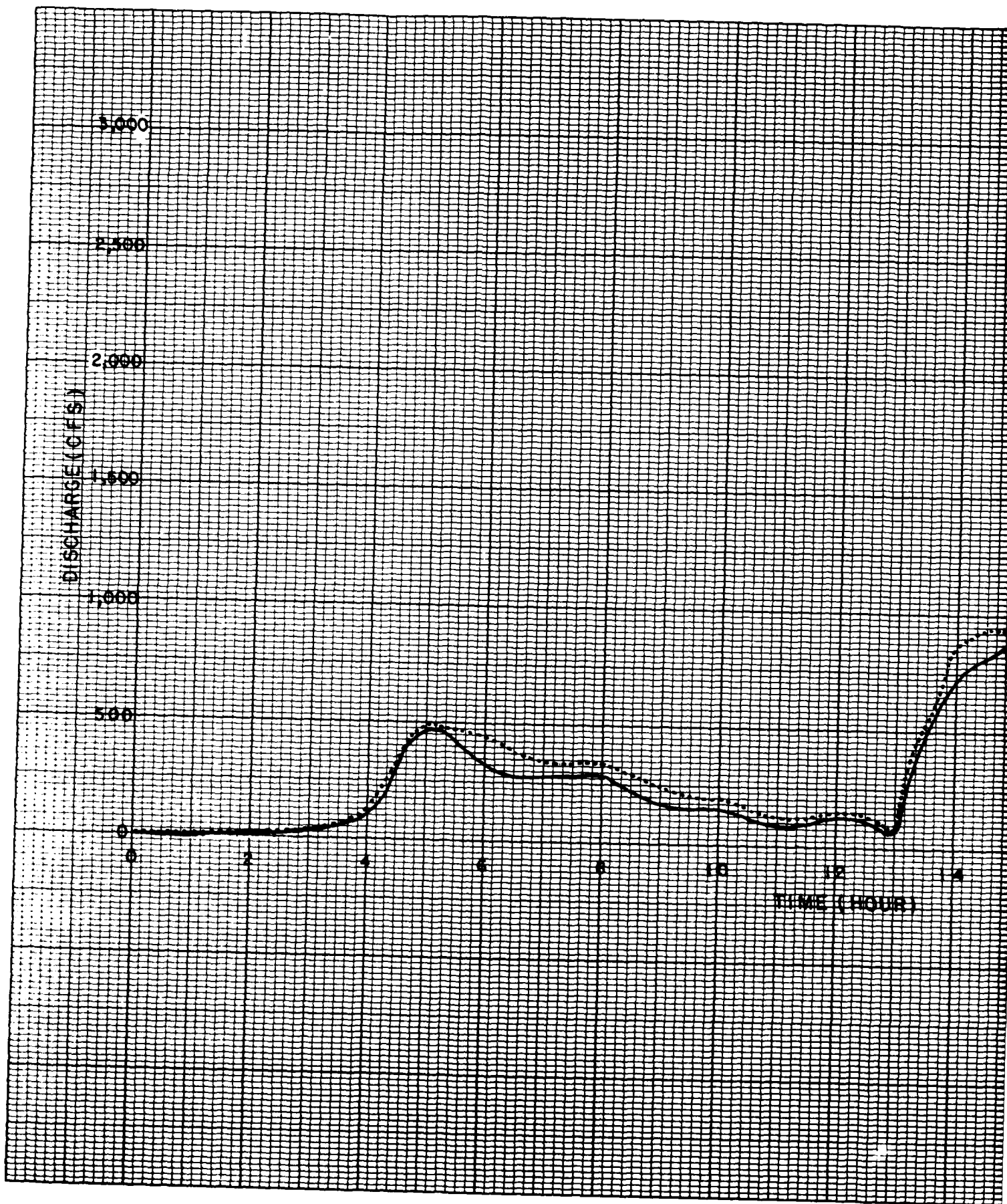


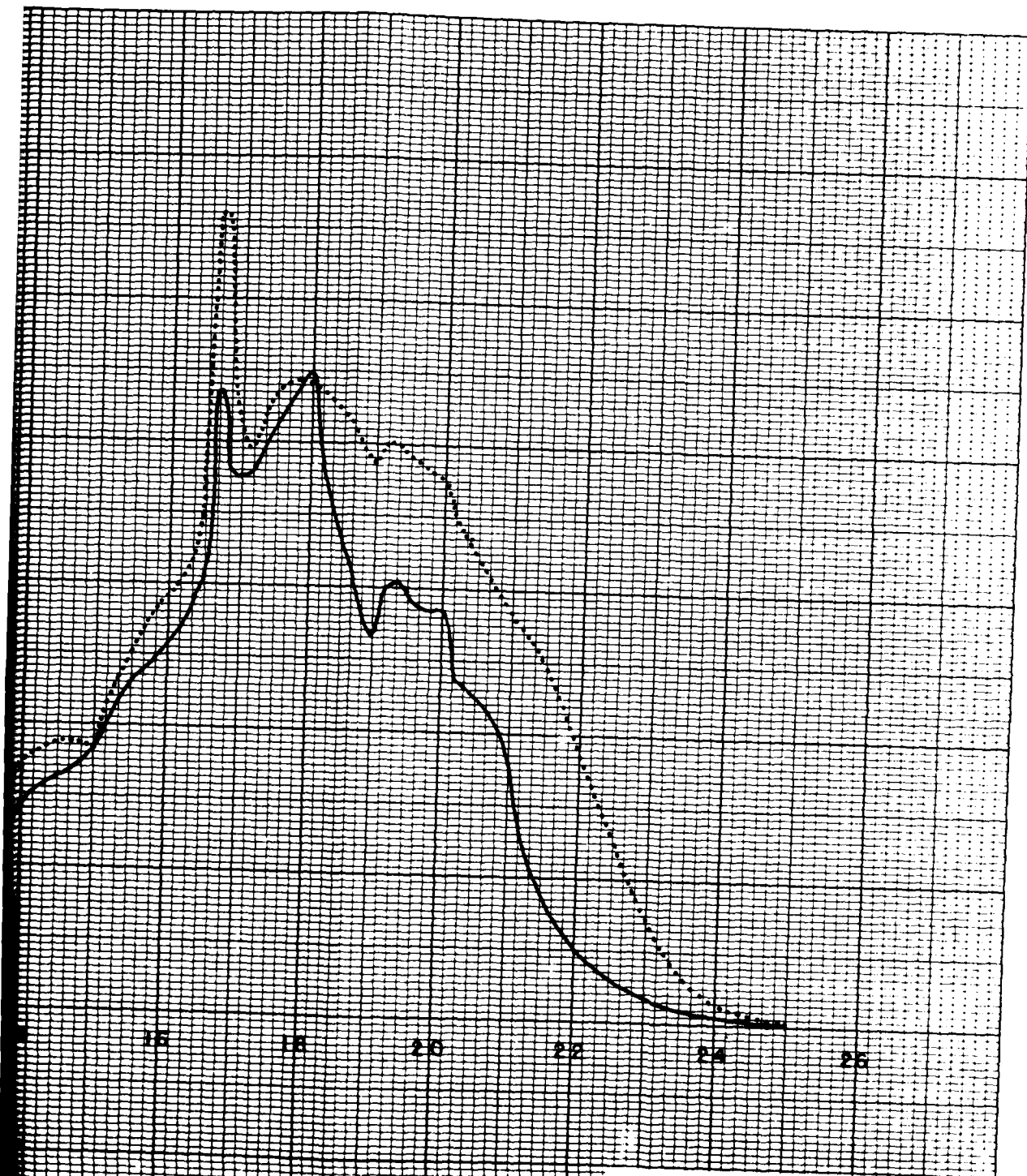
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BRANCH









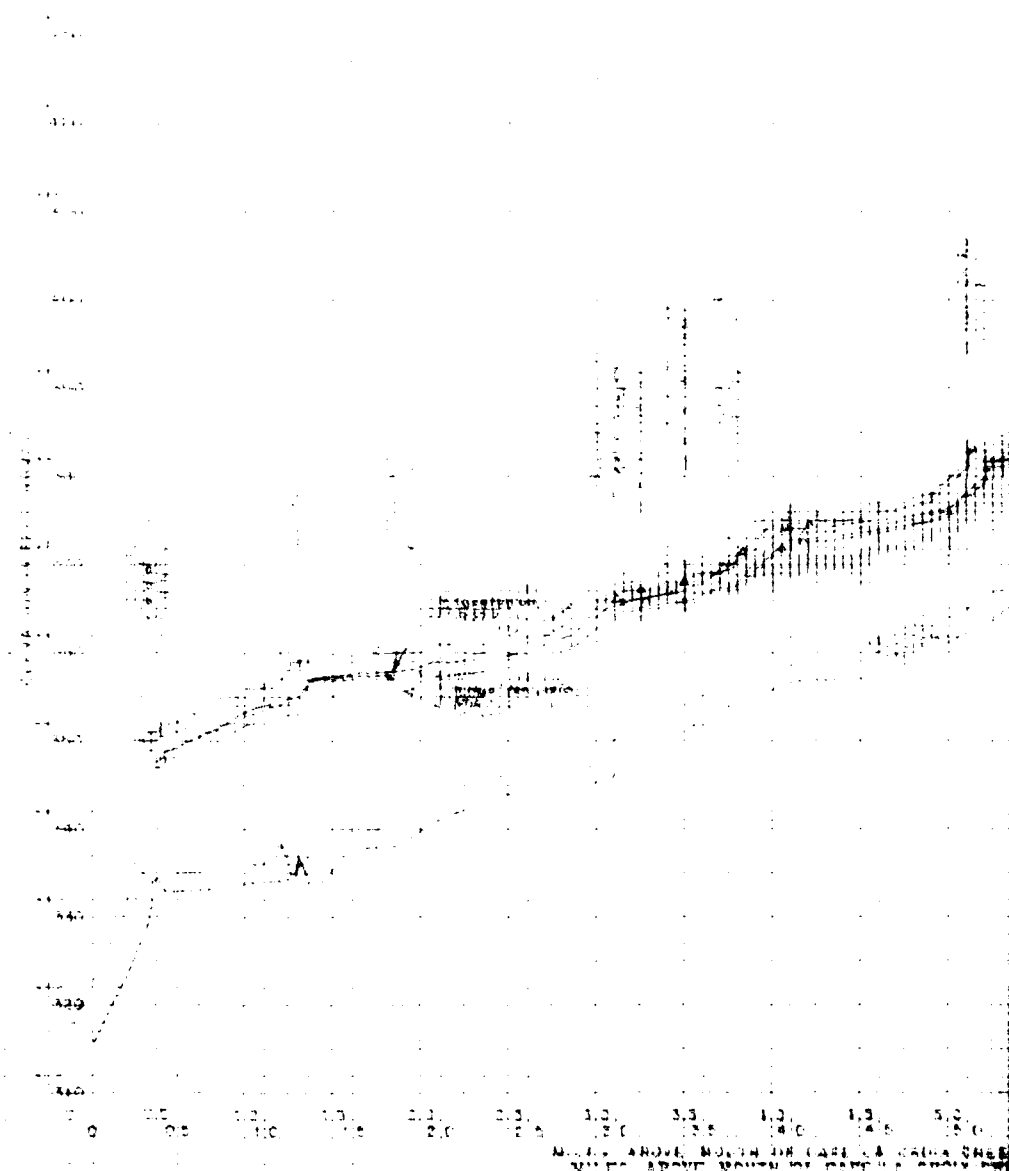
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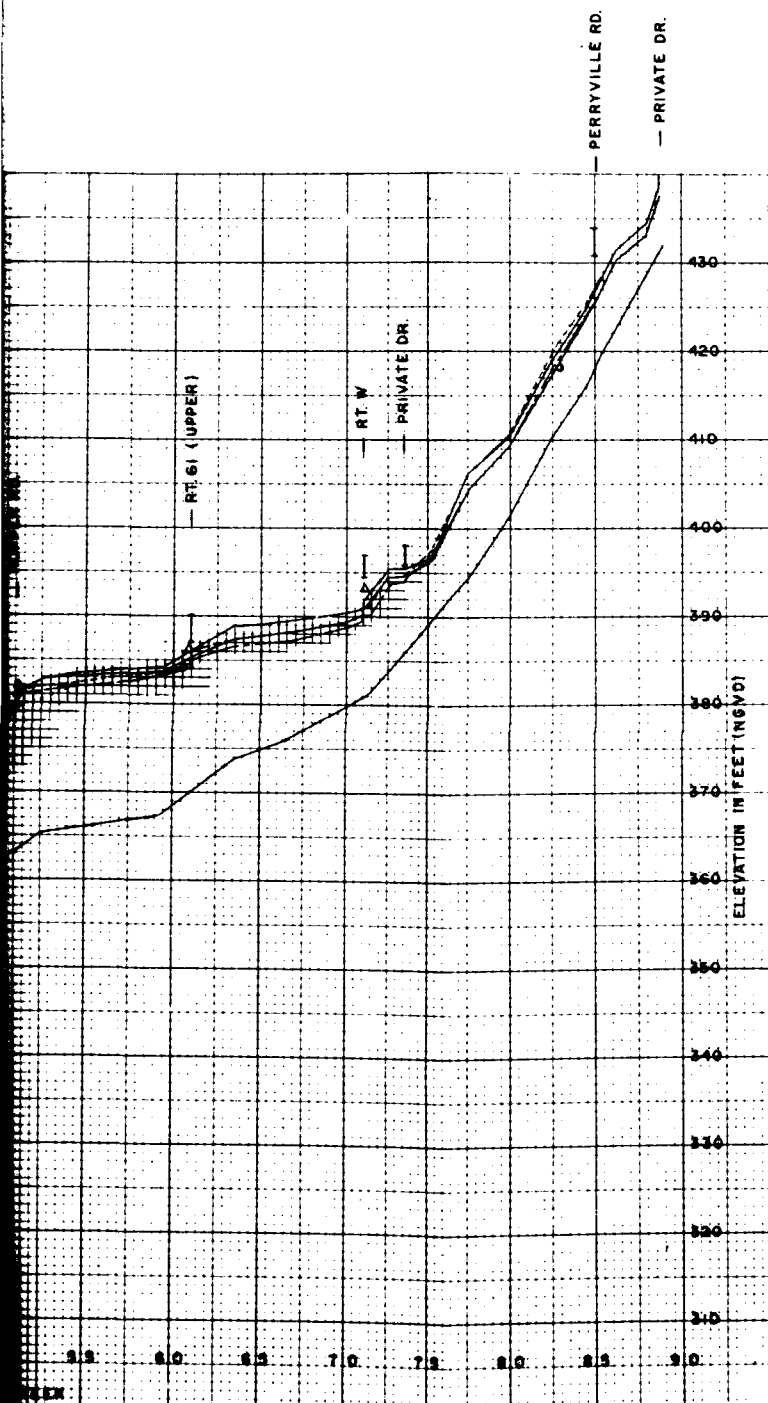
——AT BESSIE ST.

CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
WALKER BRANCH  
RUNOFF HYDROGRAPHS  
STORM OF 27,28 MARCH, 1977  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATED-16



MILES ABOVE MOUTH OF LAKE LA PINA SHEE



#### LEGEND

△ ACTUAL HIGH WATER MARKS  
FOR 27, 28 MARCH, 1977

○ ACTUAL HIGH WATER MARKS  
FOR 26, 27 MAY, 1973

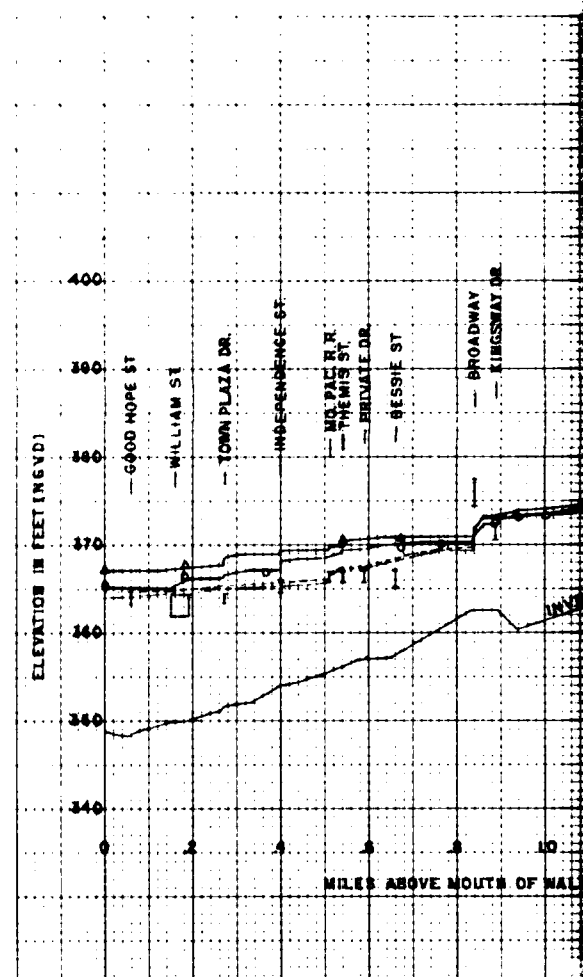
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PLAN

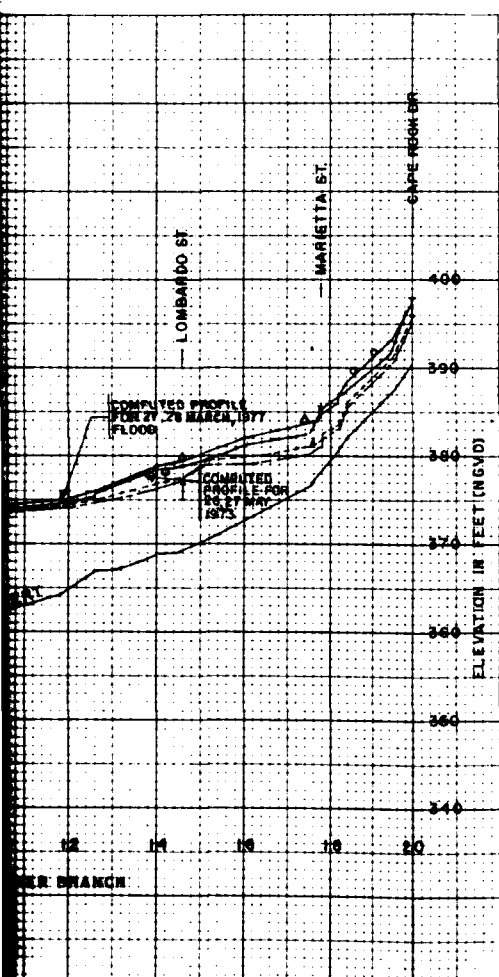
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PLAN

CAPE GIBRANEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12000  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
GROUP OF ENGINEERS  
ST. LOUIS, MO.







#### LEGEND

▲ ACTUAL HIGH WATER MARKS  
FOR 27, 28 MARCH, 1977

○ ACTUAL HIGH WATER MARKS  
FOR 26, 27 MAY, 1973

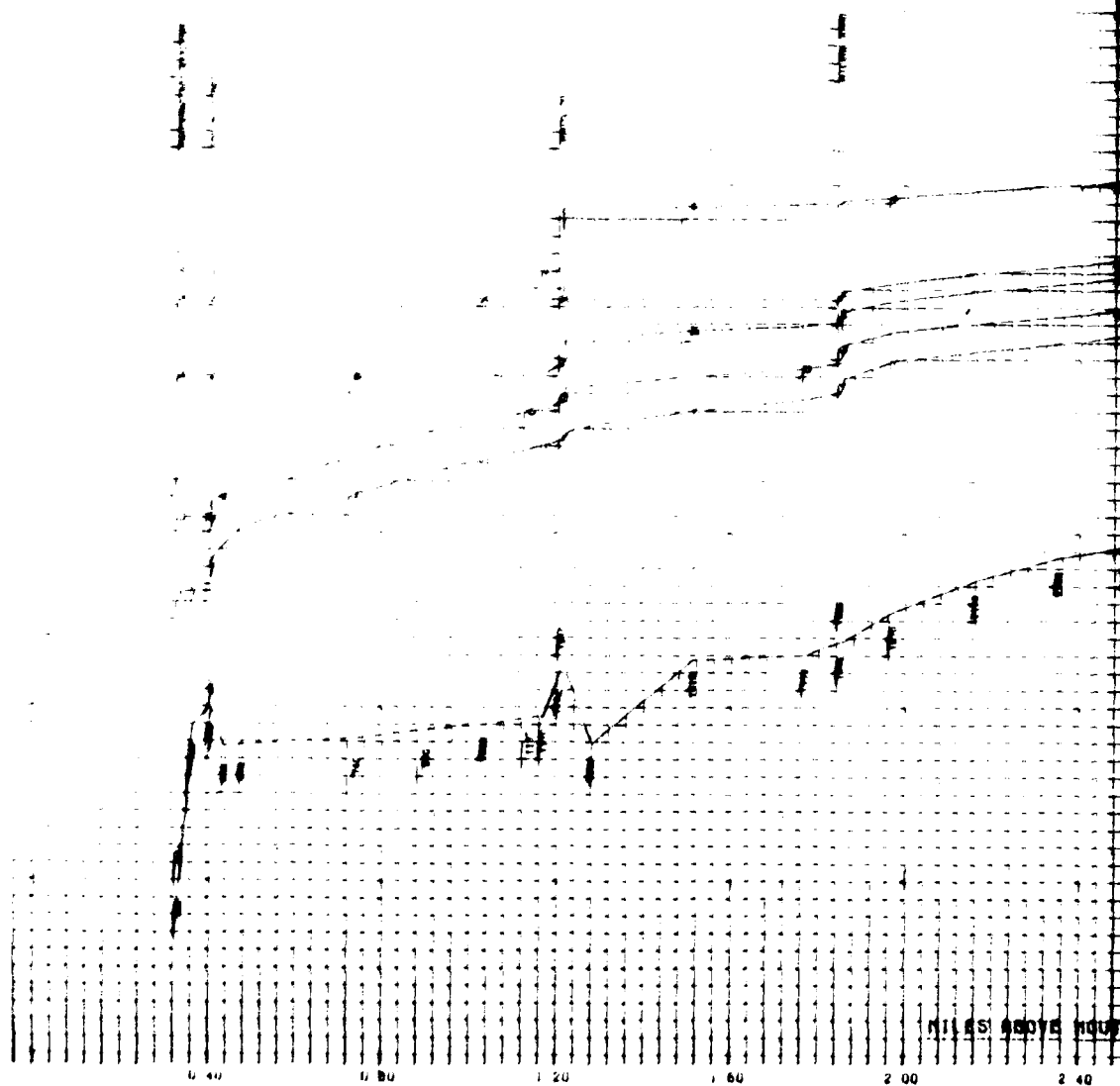
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PLAN

----- COMPUTED PROFILE FOR 26, 27 MAY,  
1973 FLOOD FLOOD W/RECOMMENDED  
PLAN

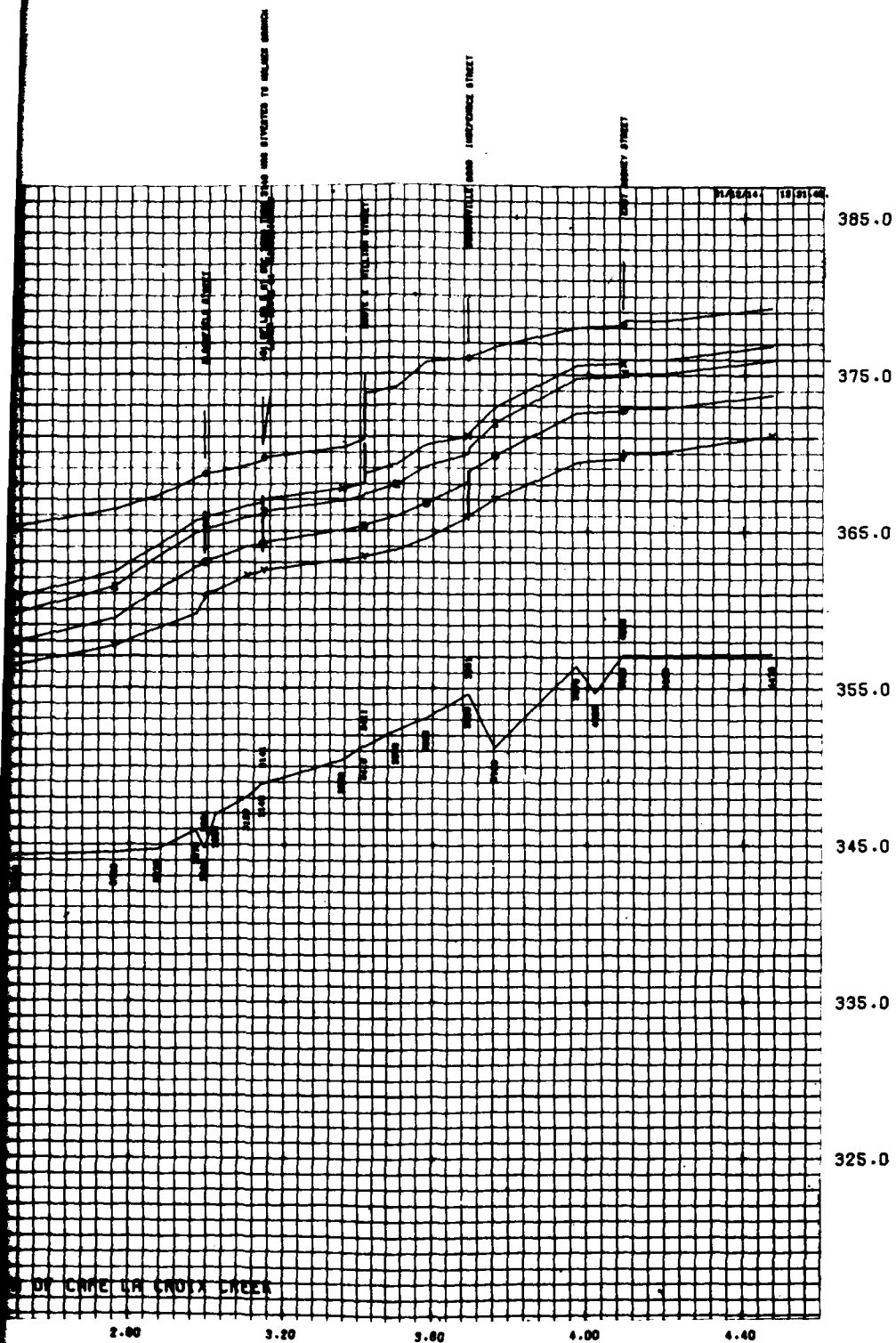
CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12063

#### WATER SURFACE PROFILES WALKER BRANCH

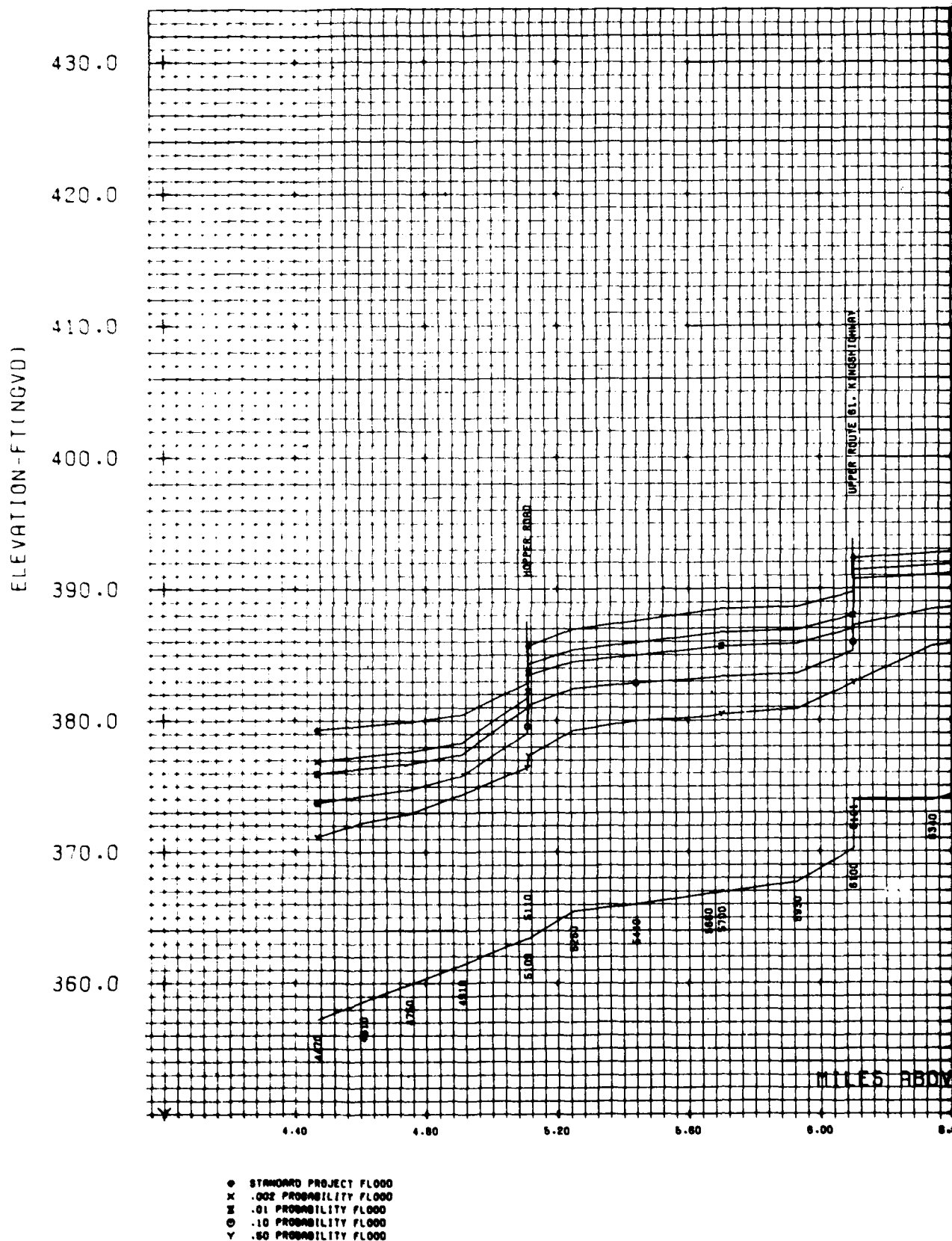
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

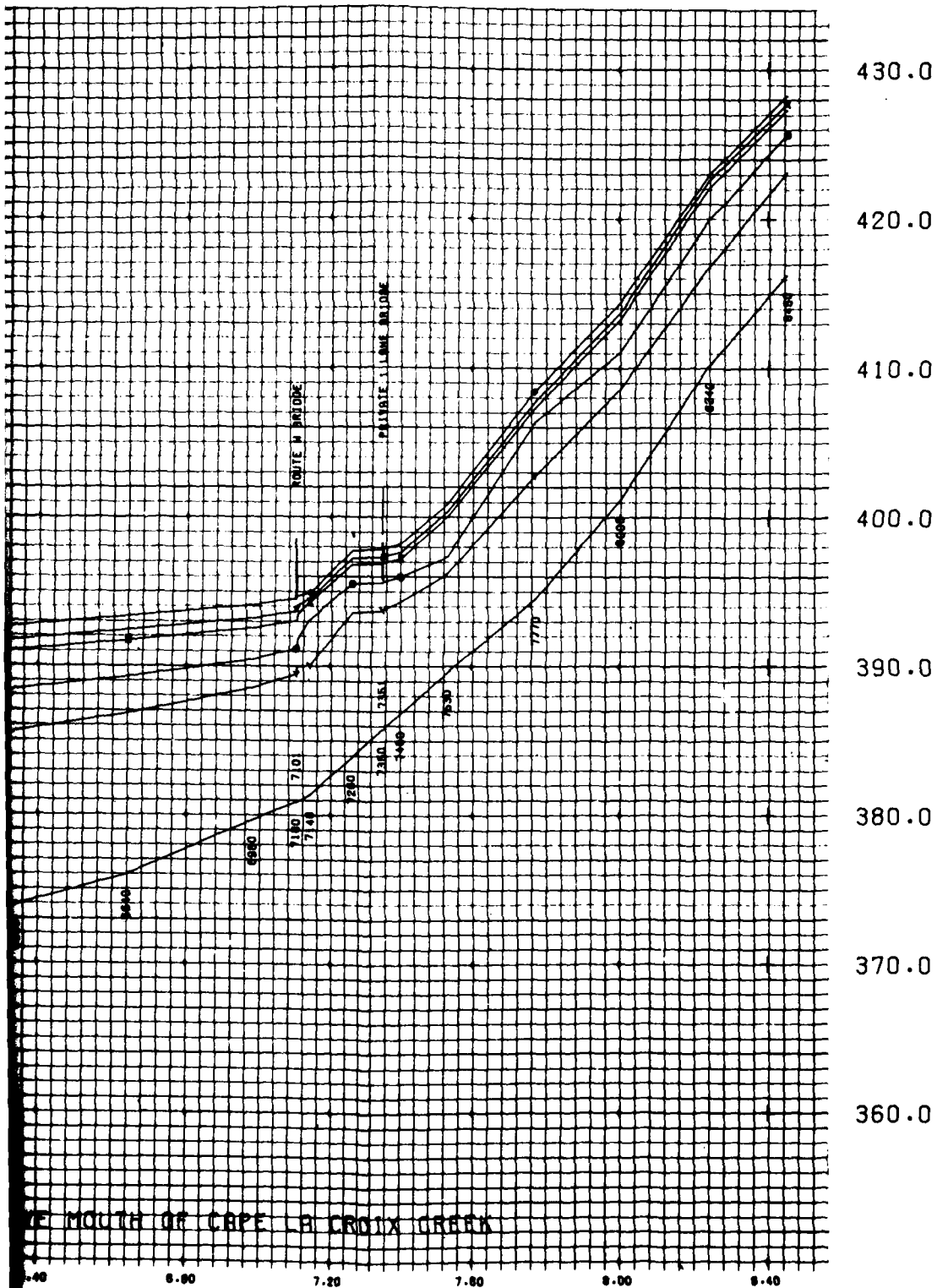


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 C 90% PROBABILITY FLOOD  
 Y 80% PROBABILITY FLOOD

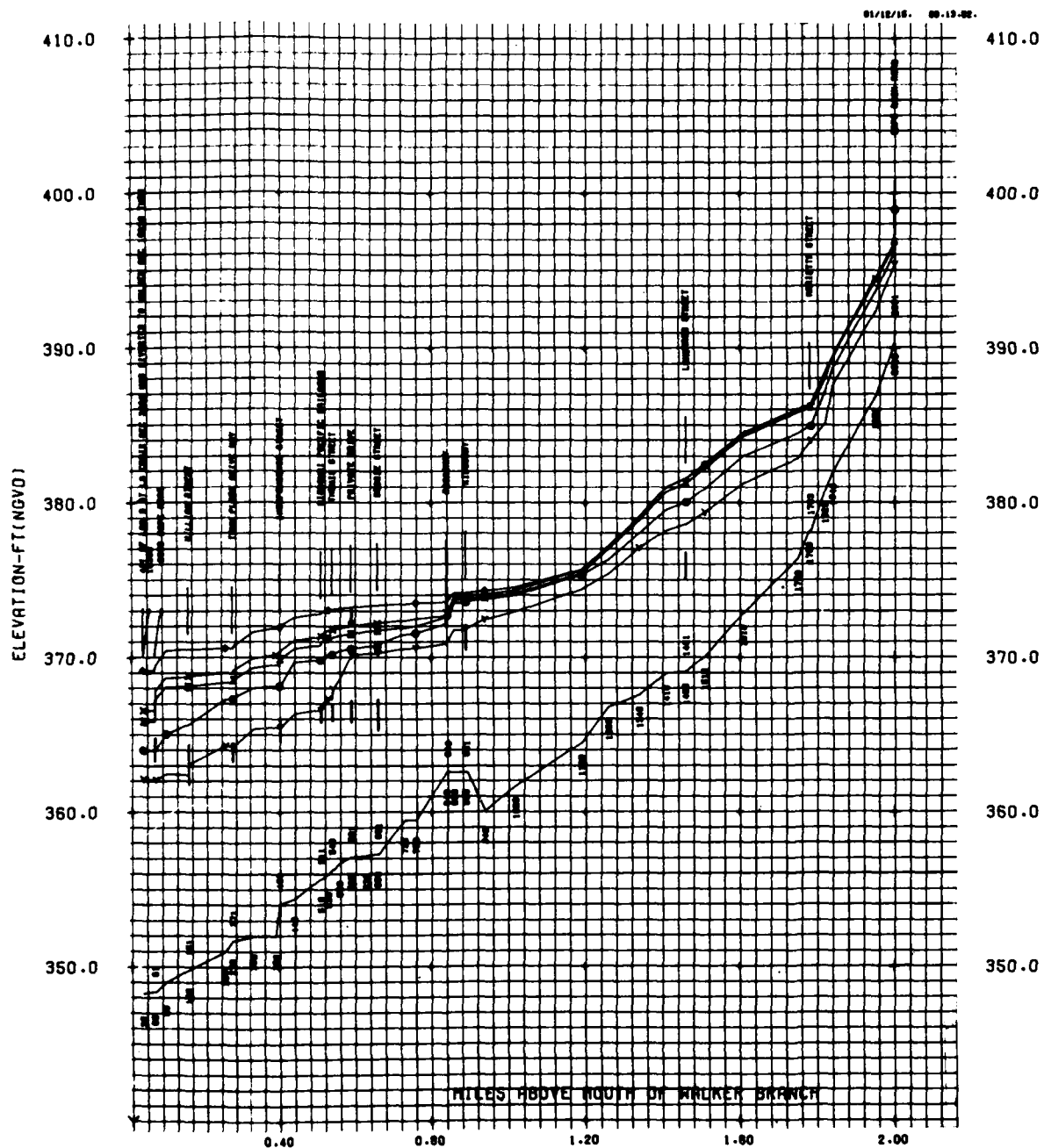


CAPE GRANDE - JACKSON  
METROPOLITAN AREA  
MISSOURI 1953  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
FUTURE W/O PROJECT  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.





CAPE GRAND - JACKSON  
METROPOLITAN AREA  
WATER SURFACE PROFILES  
CAPE LA CROIX CREEK  
FUTURE W/O PROJECT  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



◆ STANDARD PROJECT FLOOD  
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 △ .50 PROBABILITY FLOOD

CAPE GIRARDEAU-JACKSON  
 METROPOLITAN AREA  
 MODULUM 15063  
**WATER SURFACE PROFILES**  
**WALKER BRANCH**  
 FUTURE W/O PROJECT  
 U.S. ARMY CORP. OF ENGINEERS, ST. LOUIS  
 ST. LOUIS, MO.

ST. LOUIS, MO.

PLATE D-14

2








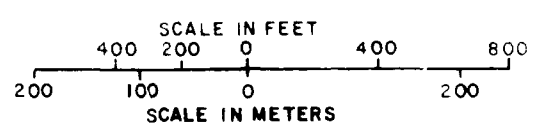
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LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.




CORPS OF ENGINEERS

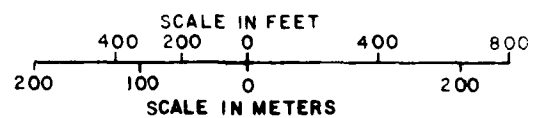


U S ARMY



### LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-23




2

CORPS OF ENGINEERS

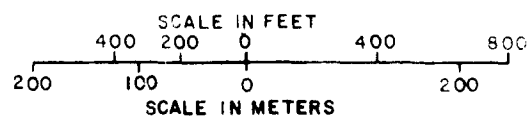




LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.




PLATE D-24

2

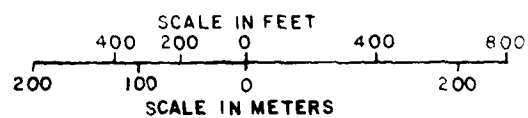




### LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE



CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
WALKER BRANCH  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-26

2

CORPS OF ENGINEERS





U.S. ARMY

N.



LEGEND



10% PROBABILITY

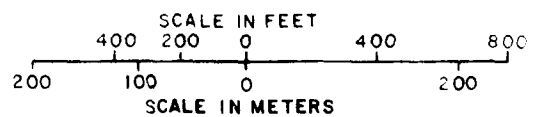


1% PROBABILITY



STANDARD PROJECT FLOOD

10 M MILE



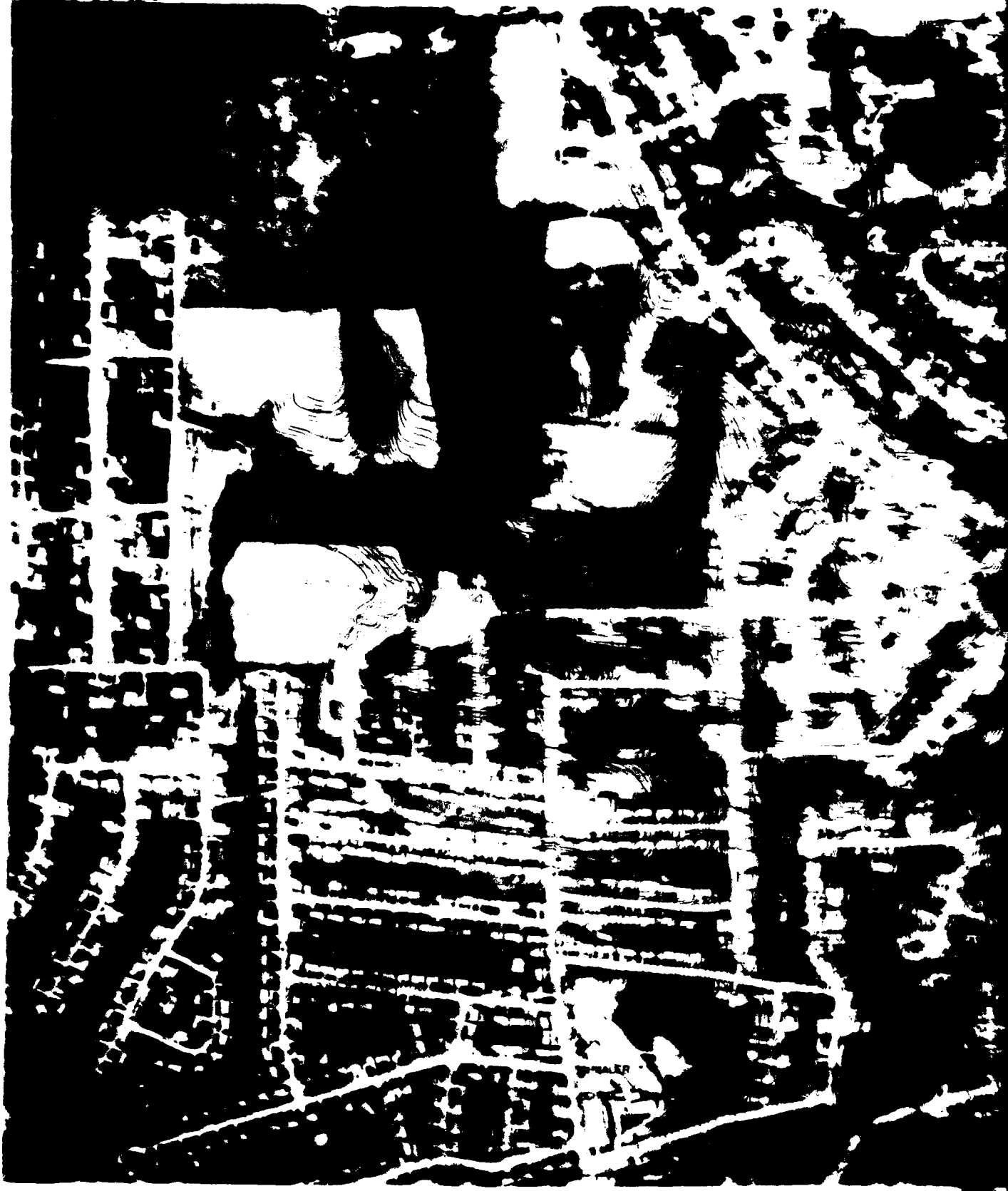
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-26

2




CORPS OF ENGINEERS

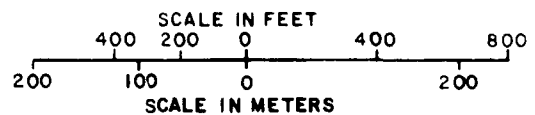


U. S. ARMY



LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD
- 10 M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

**WALKER BRANCH  
FLOODED AREA**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

CHPS OF ENGINEERS






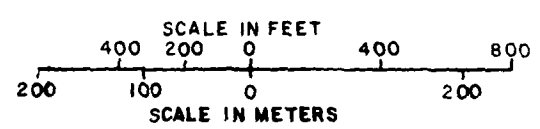


U.S. ARMY



LEGEND

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-28




2

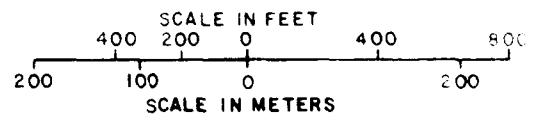


U.S. ARMY



LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10 M      MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.






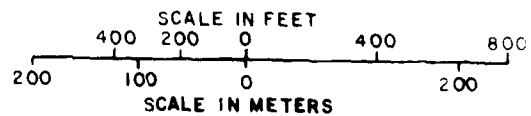


U.S. ARMY



LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10 M      MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



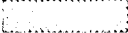
PLATE D-30

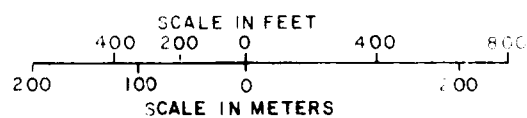
2





LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10 M      MILE



CAPE GIRARDEAU JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS




U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO

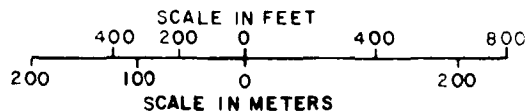


U. S. ARMY



LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10 M      MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

CAPE LA CROIX CREEK  
FLOODED AREAS

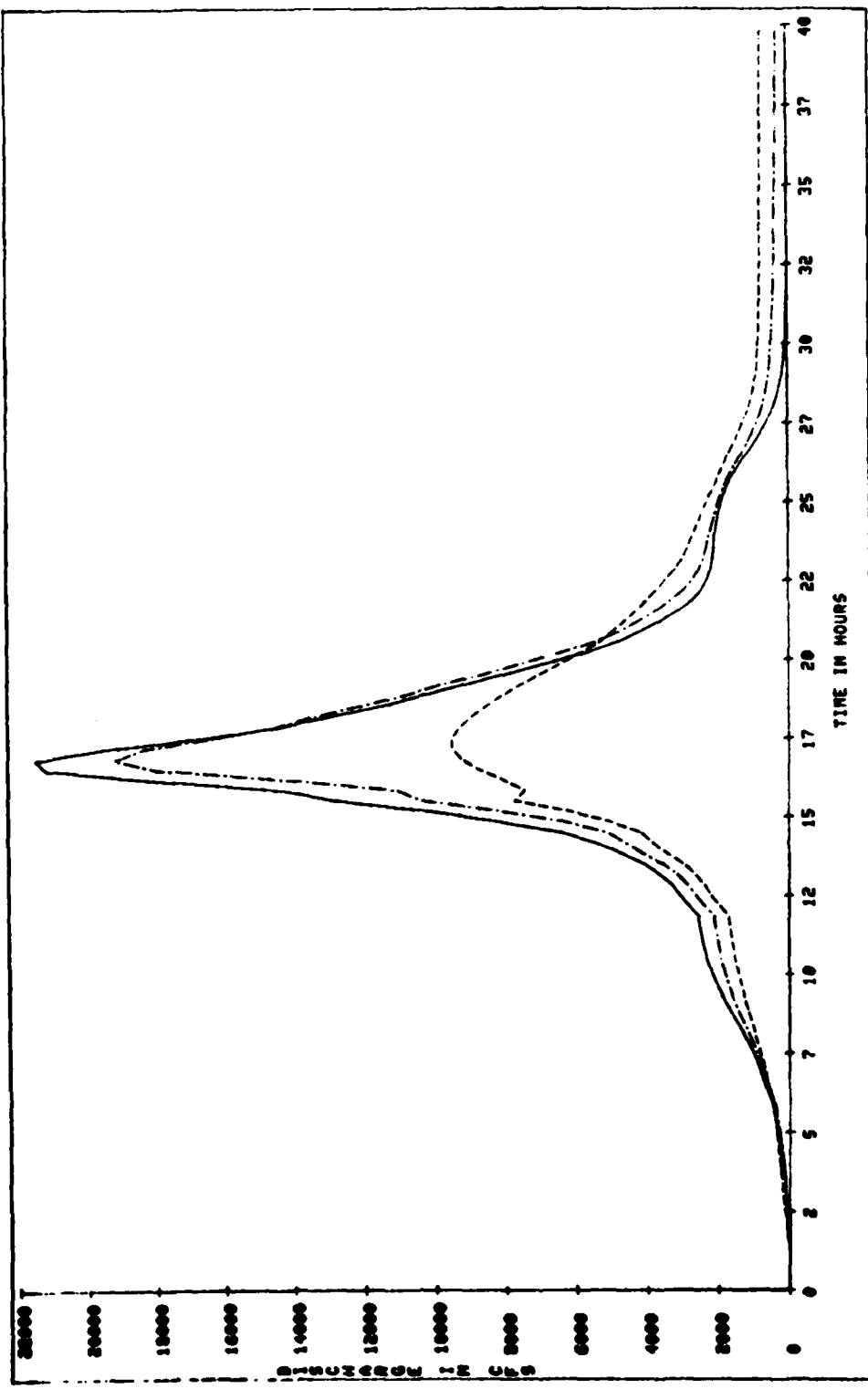
U. S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-32

2





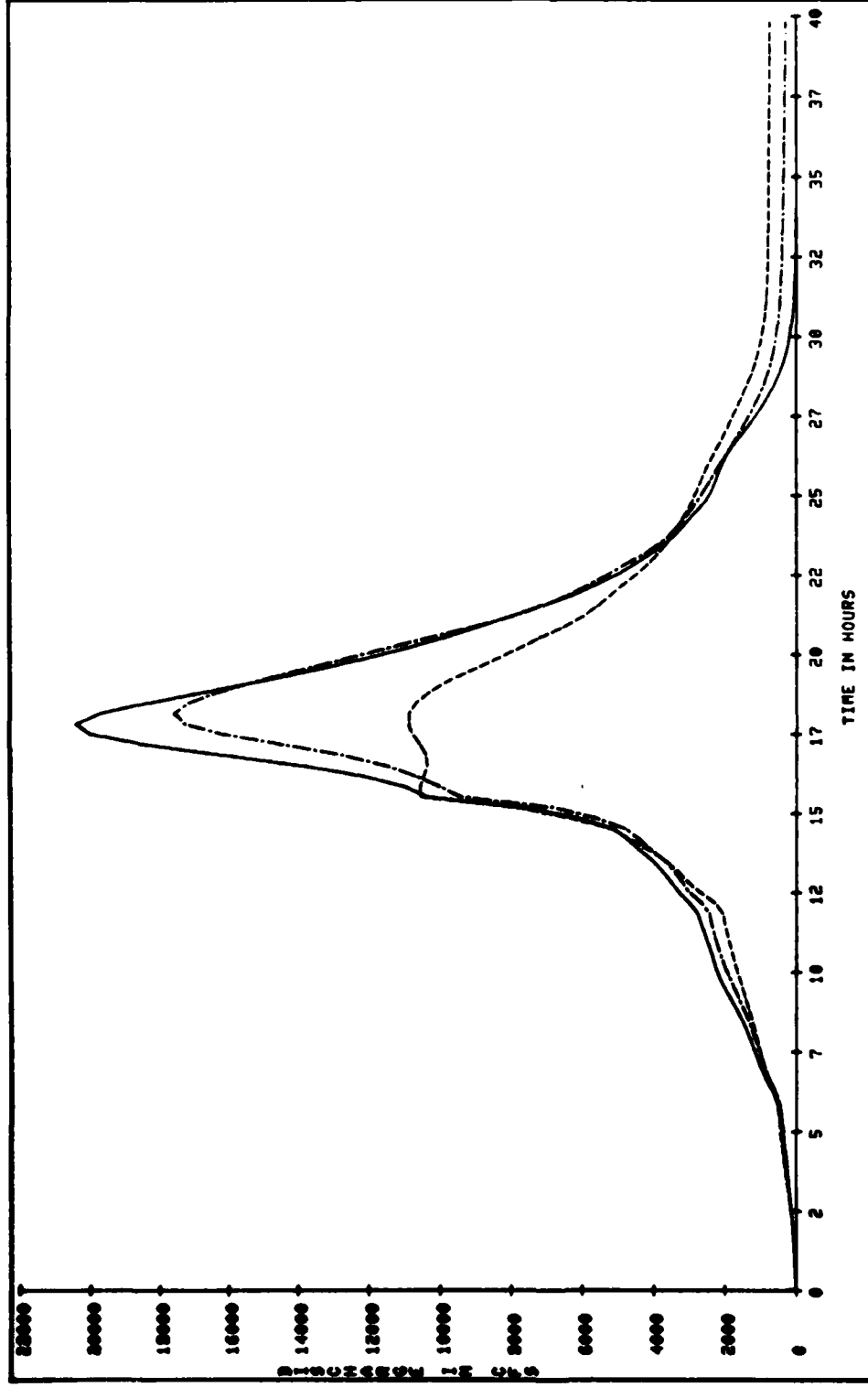


CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS AT HOPPER ROAD

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.





CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

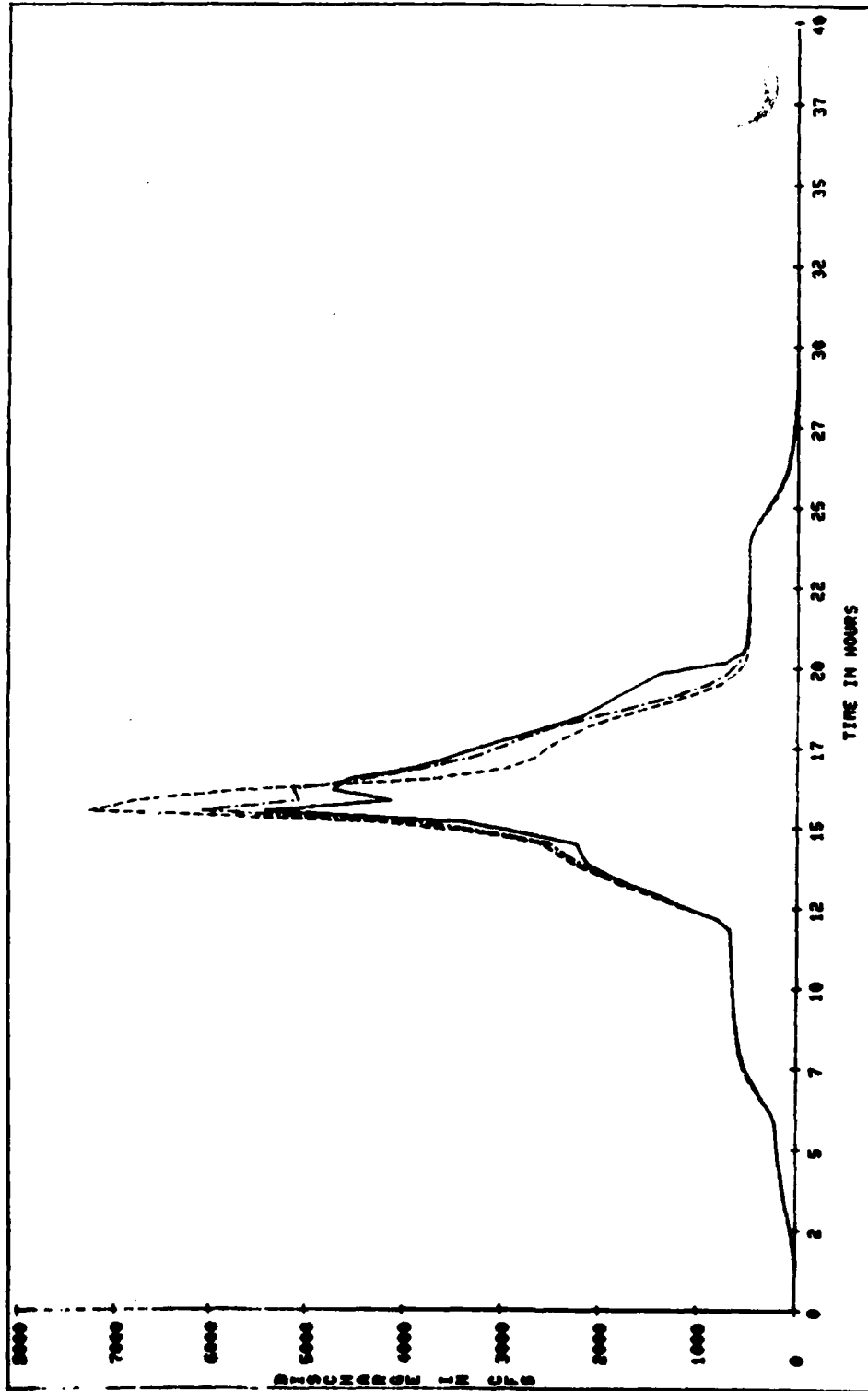
HYDROGRAPHS AT LOWER RT 61 BRIDGE

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— SPF STORM FUTURE WITHOUT

--- SPF STORM FUTURE WITH RECOMMENDED PLAN

---- SPF STORM FUTURE WITH SPF PLAN



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12653

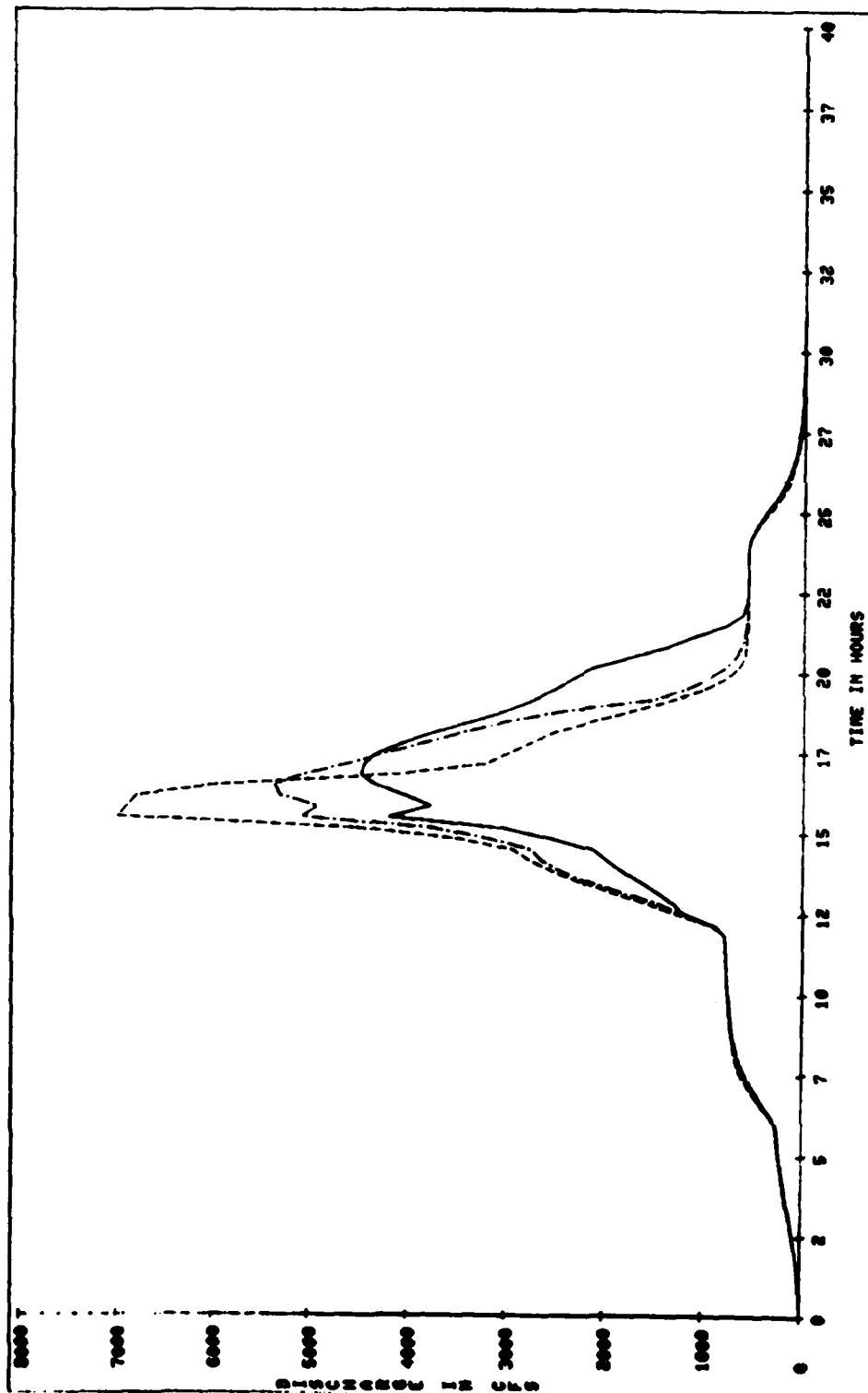
HYDROGRAPHS ON WALKER AT BESSIE ST. 2

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— SPF STORM FUTURE WITHOUT

- - - SPF STORM FUTURE WITH RECOMMENDED PLAN

... SPF STORM FUTURE WITH SPF PLAN

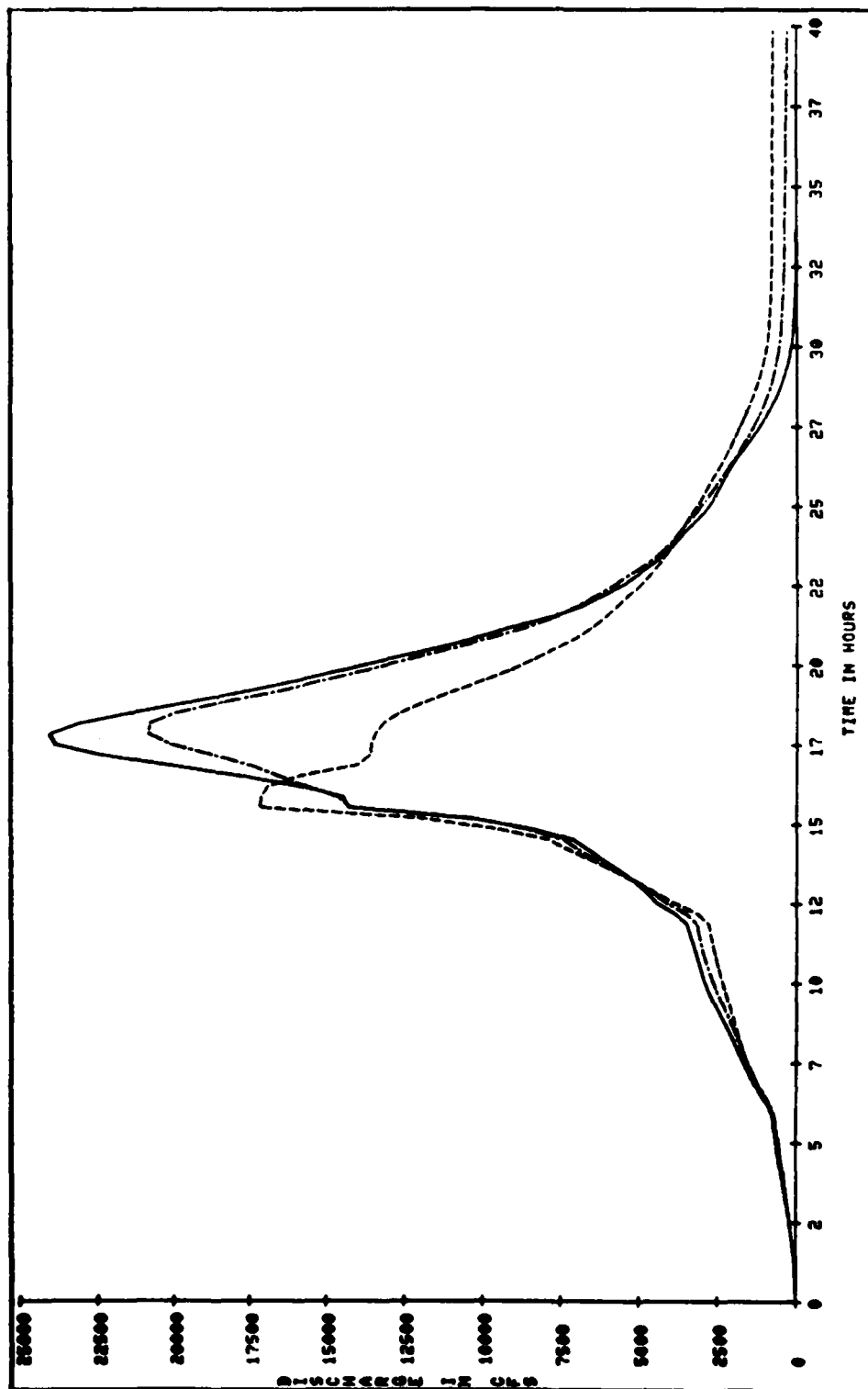


CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS ON WALKER AT MOUTH

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-37



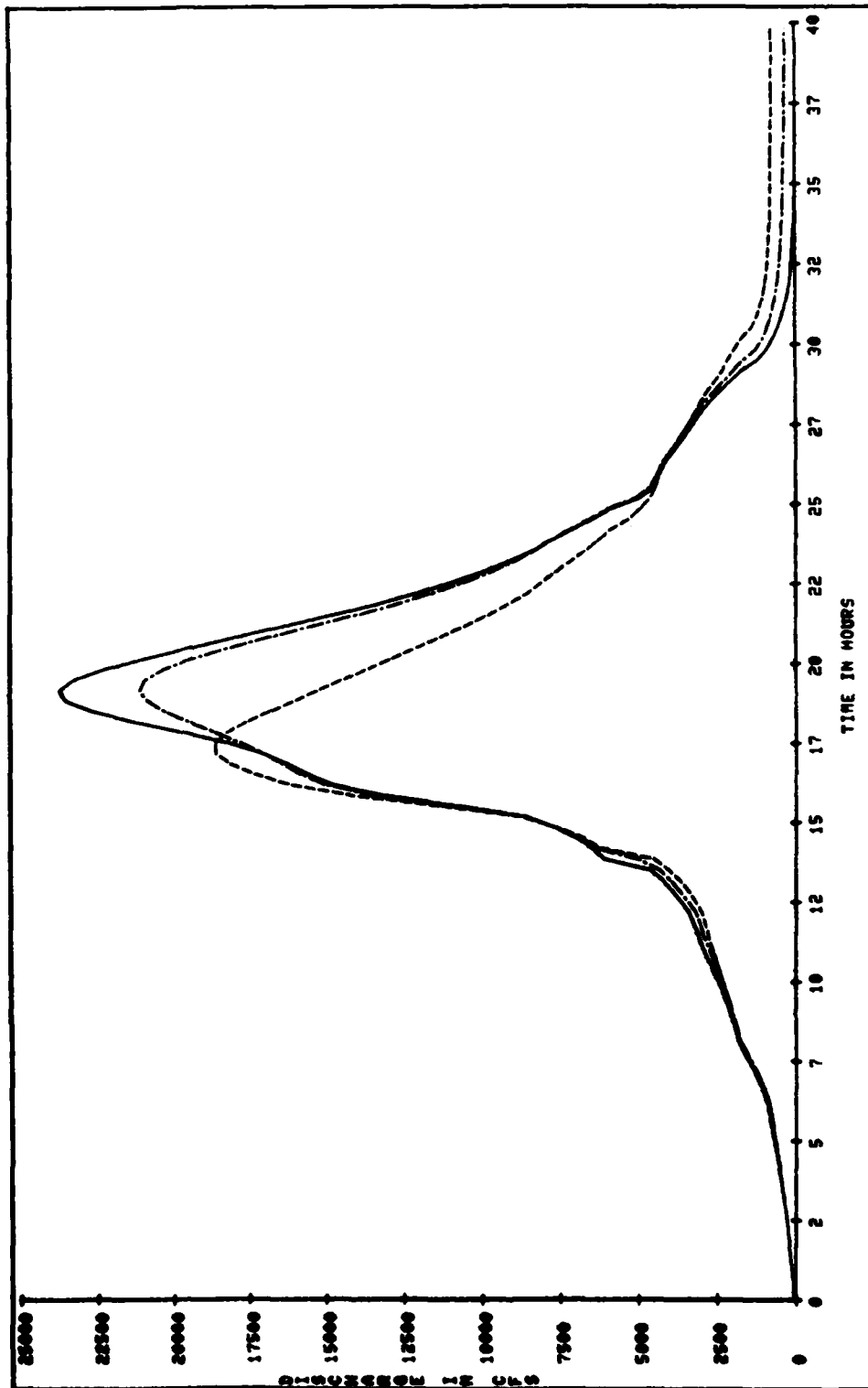
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12653

HYDROGRAPHS AT JCT. OF CAPE & VALLEY  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

\_\_\_\_ SPF STORM FUTURE WITHOUT

\_\_\_\_ SPF STORM FUTURE WITH RECOMMENDED PLAN

\_\_\_\_ SPF STORM FUTURE WITH SPF PLAN



SPF STORM FUTURE WITHOUT

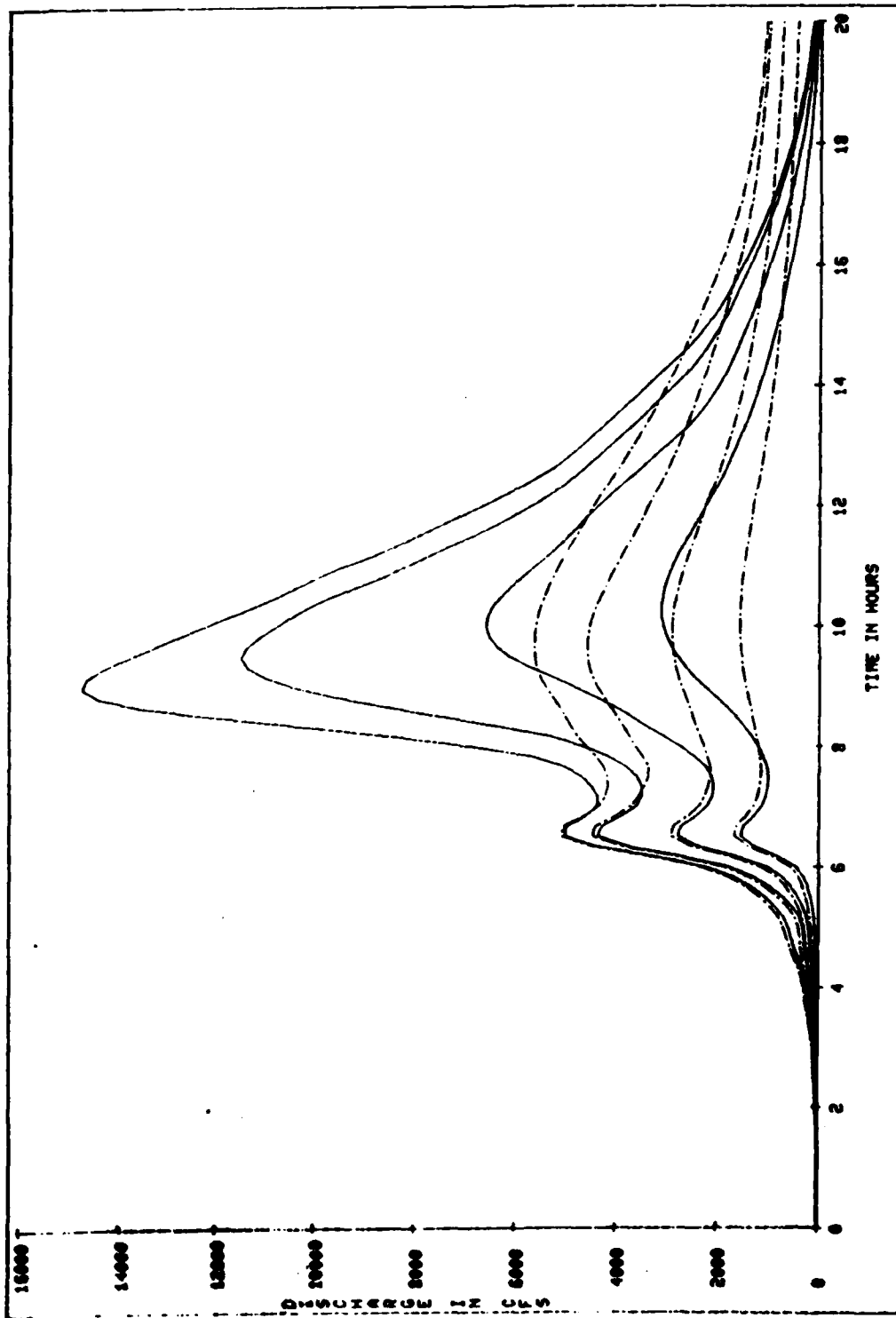
SPF STORM FUTURE WITH RECOMMENDED PLAN

SPF STORM FUTURE WITH SPF PLAN

CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS AT MOUTH OF CAPE LA CROIX  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
COMPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-39



— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

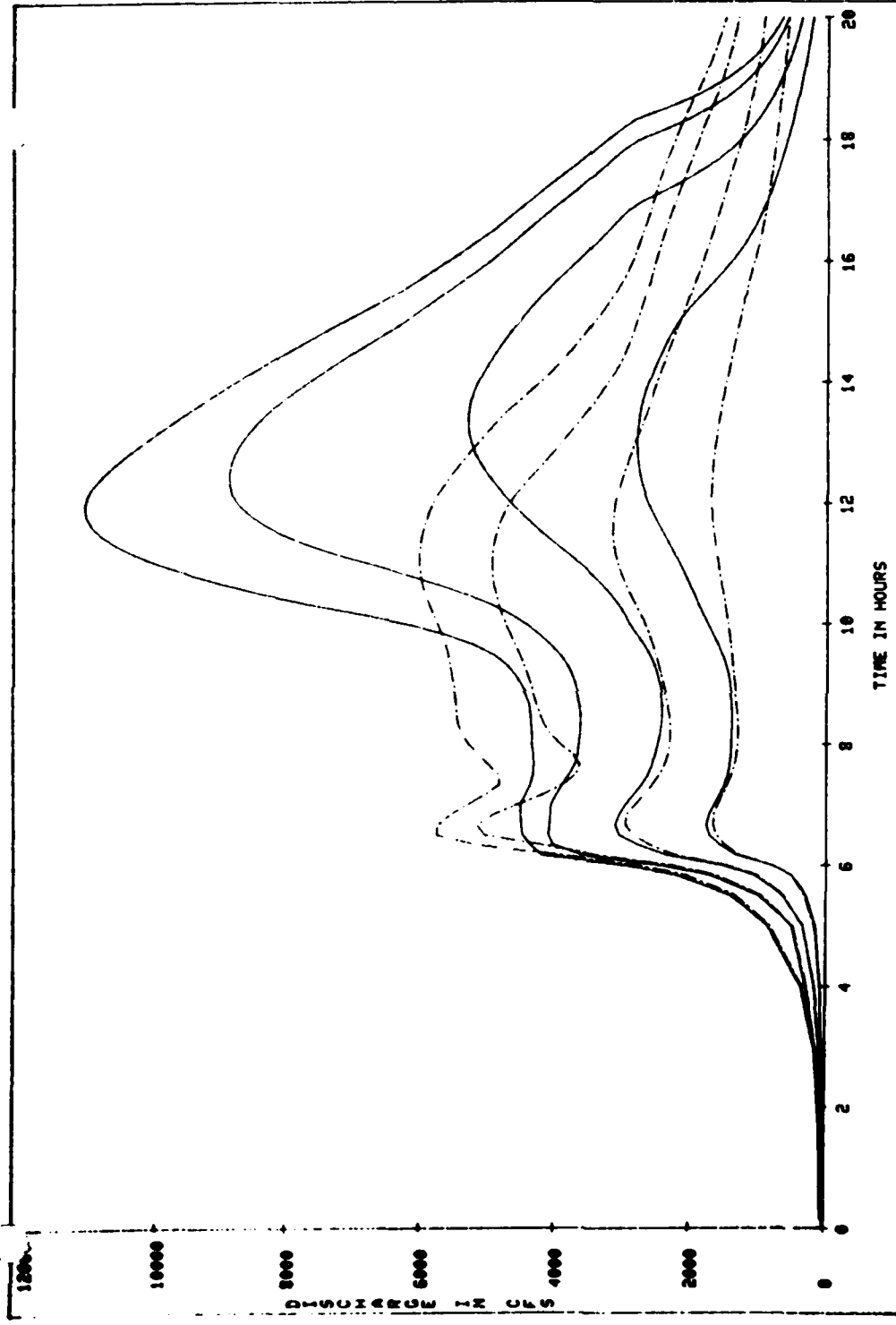
- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPP PLAN

CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS AT HOPPER ROAD

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-40



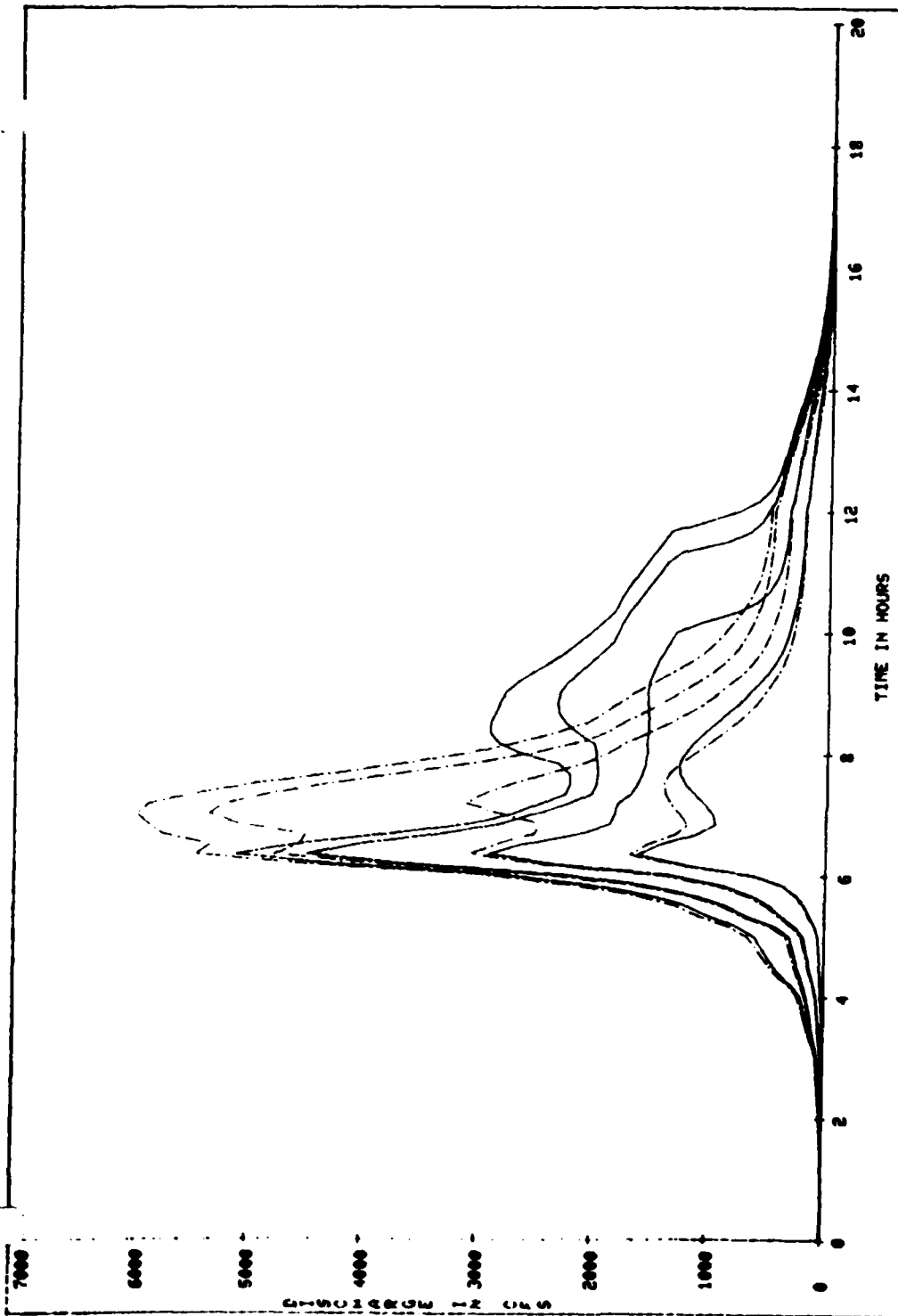
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS AT LOWER RT 61 BRIDGE

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

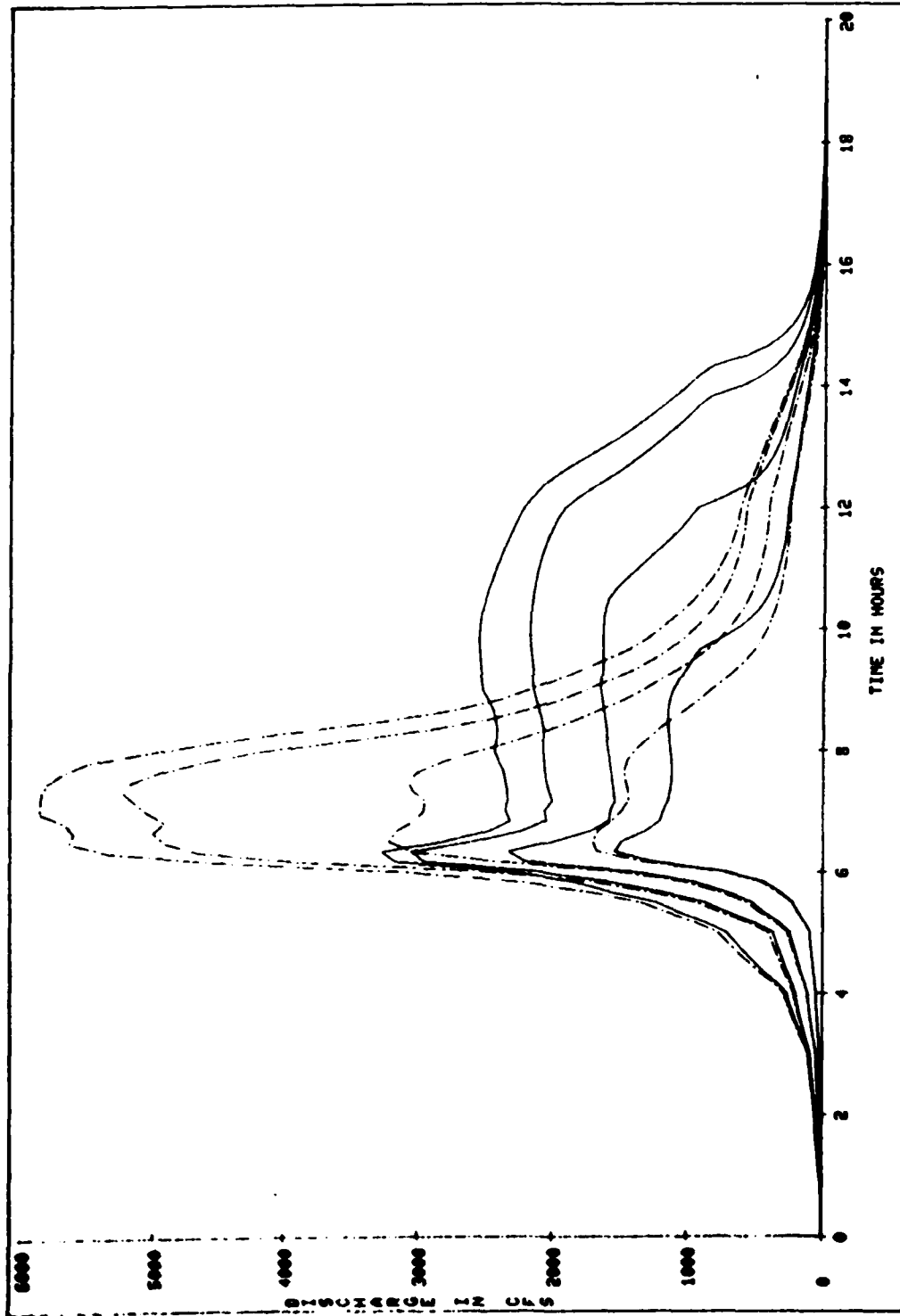
HYDROGRAPHS ON WALKER AT BESSIE ST. 3

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN

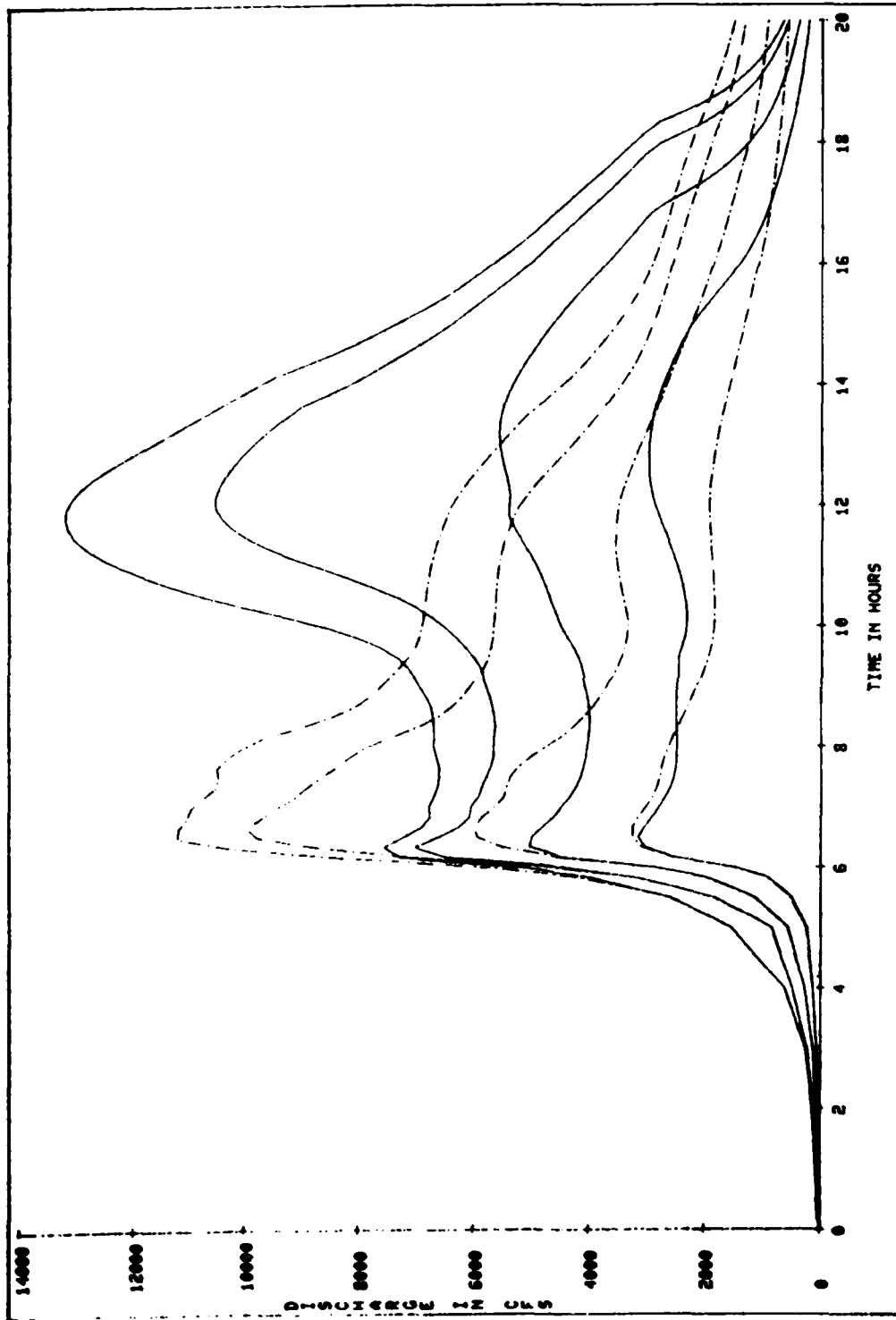




CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS ON WALKER AT MOUTHS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



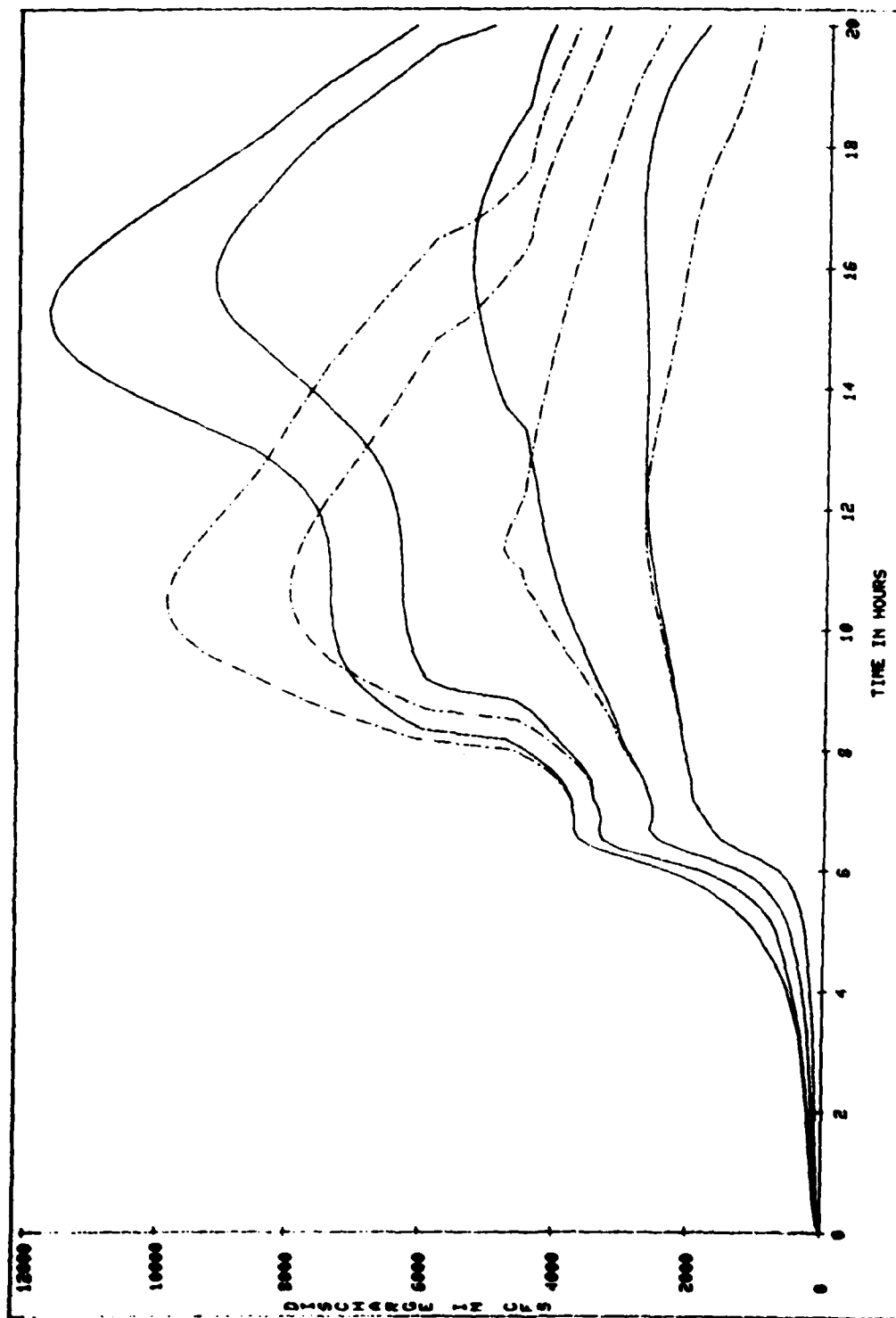
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

HYDROGRAPHS AT JCT. OF CAPE & WALKERS

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12953

HYDROGRAPHS AT MOUTH OF CAPE LA CROIXE  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH SPF PLAN

# CAPE LA CROIX CREEK AT HOPPER ROAD (MI 5.11)

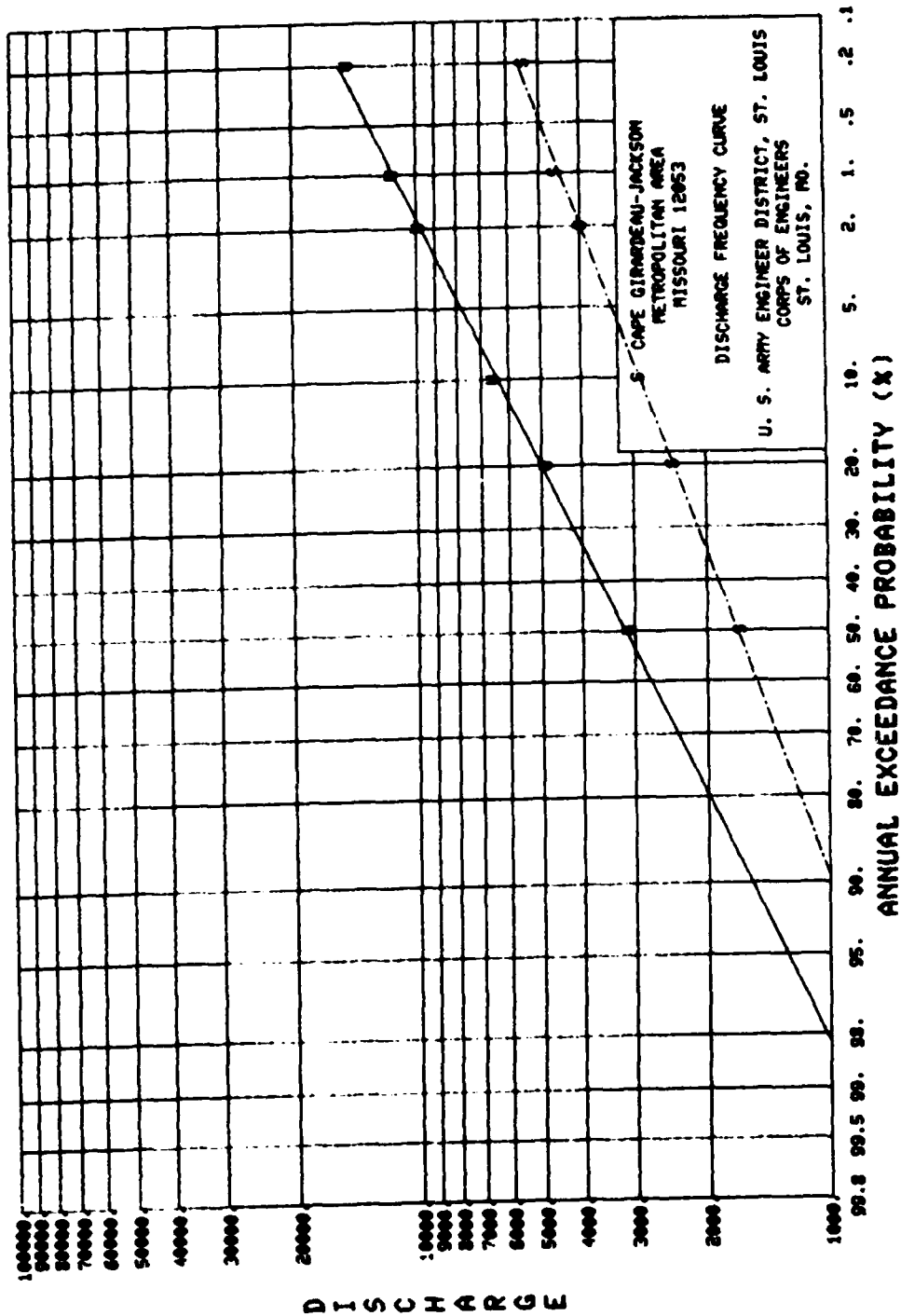
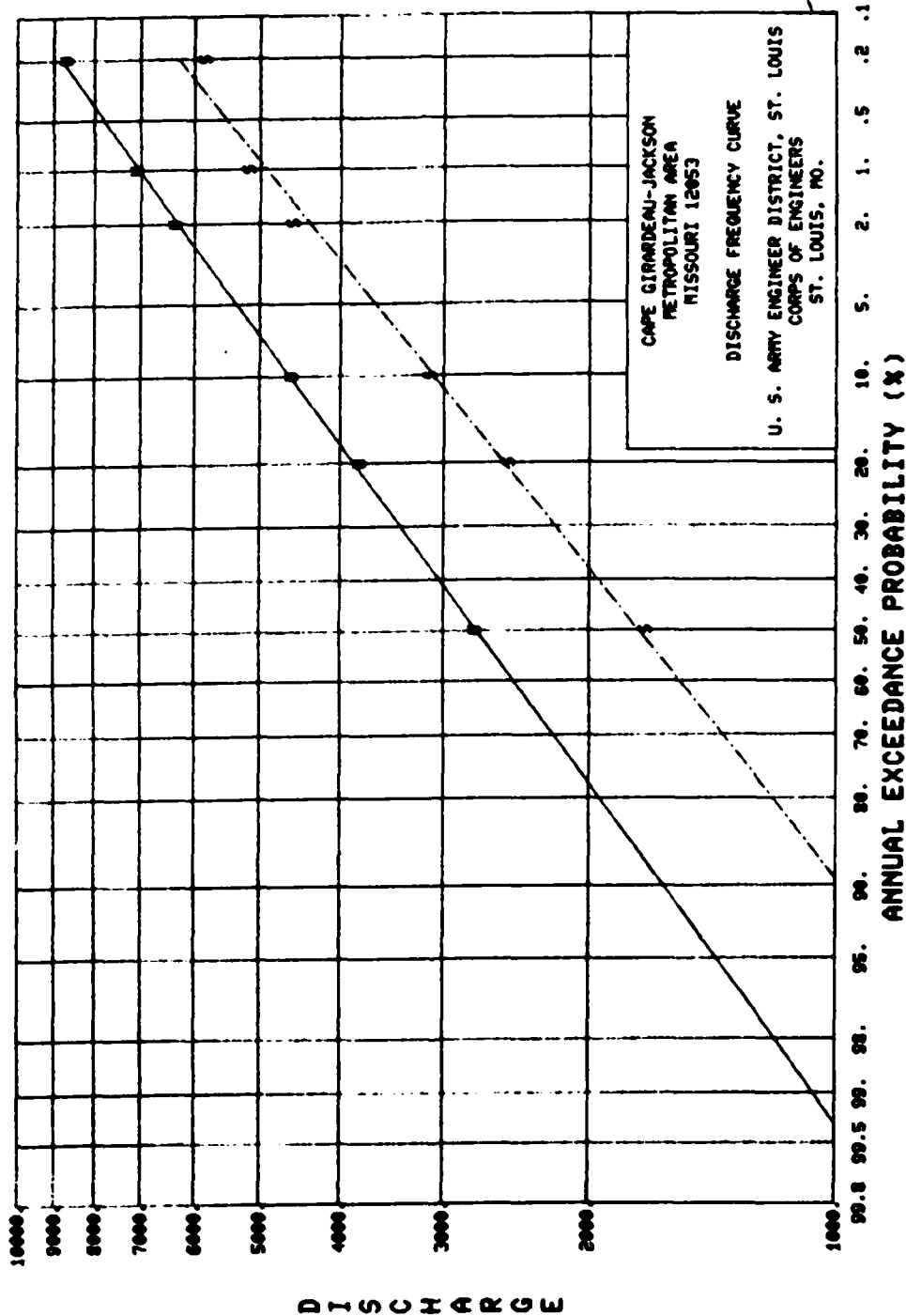


PLATE D-48

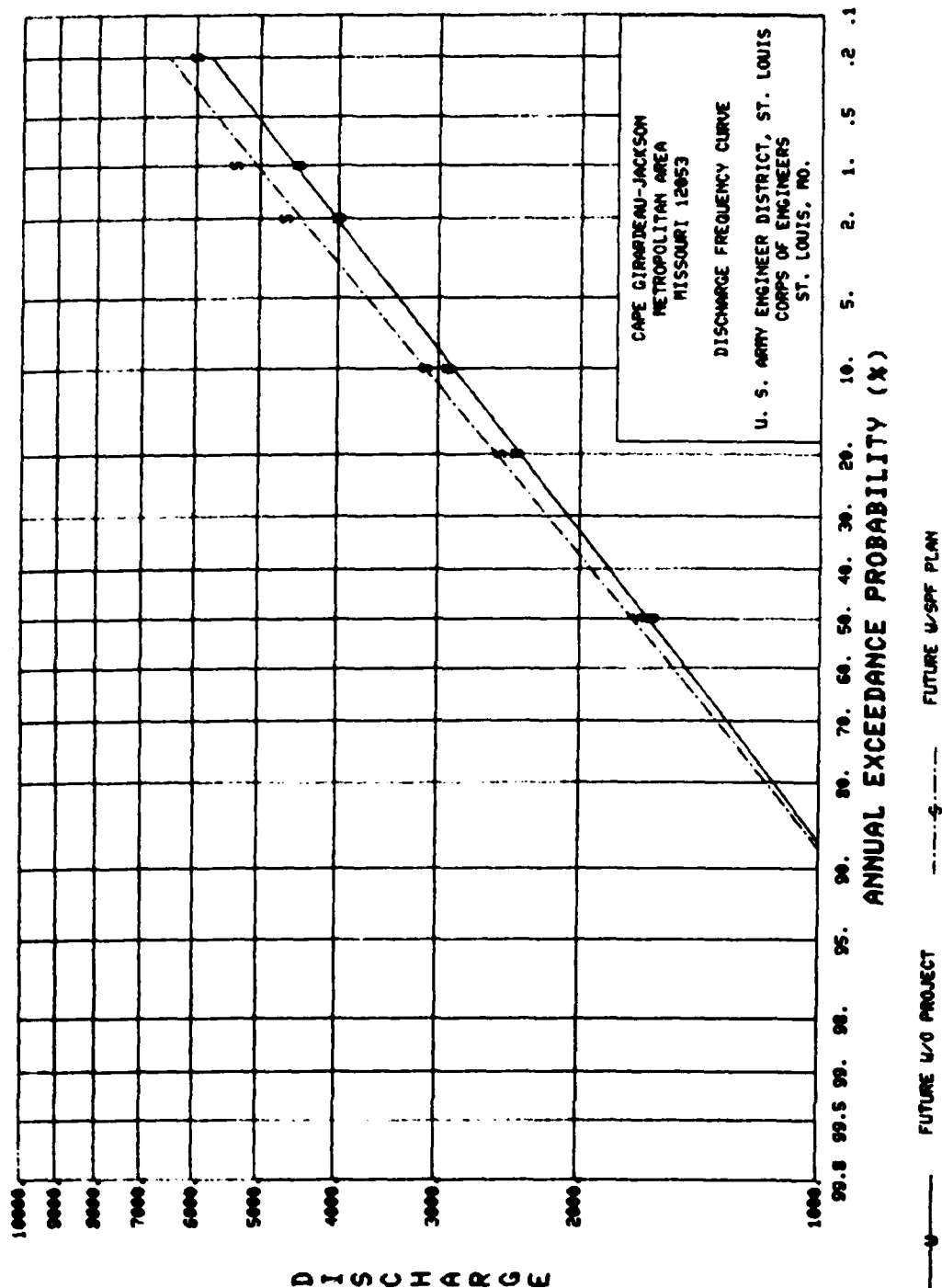
FUTURE U/SPP PLAN

FUTURE U/O PROJECT

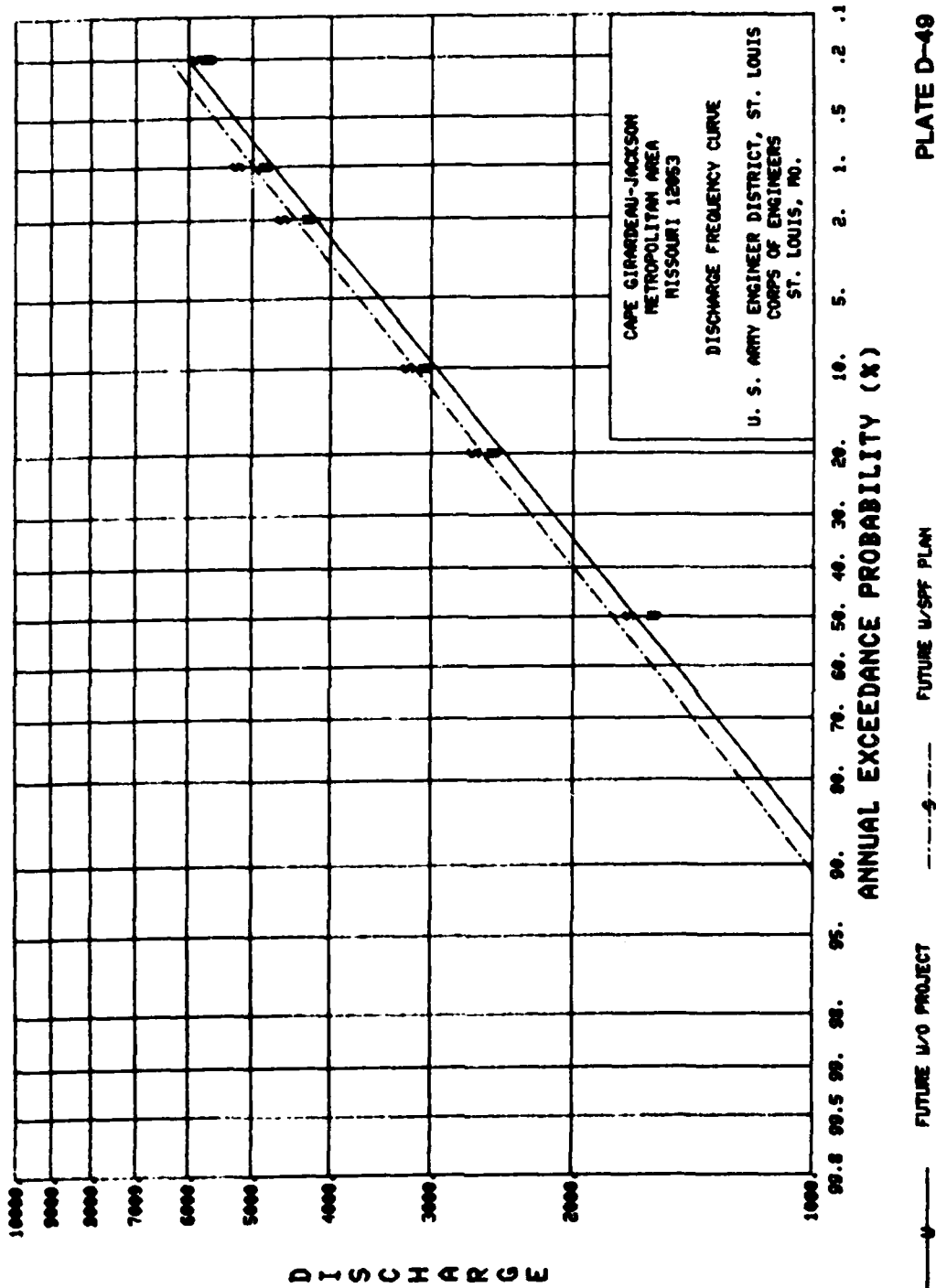
# CAPE LA CROIX CREEK ABOVE WALKER BRANCH (MI 3.14)



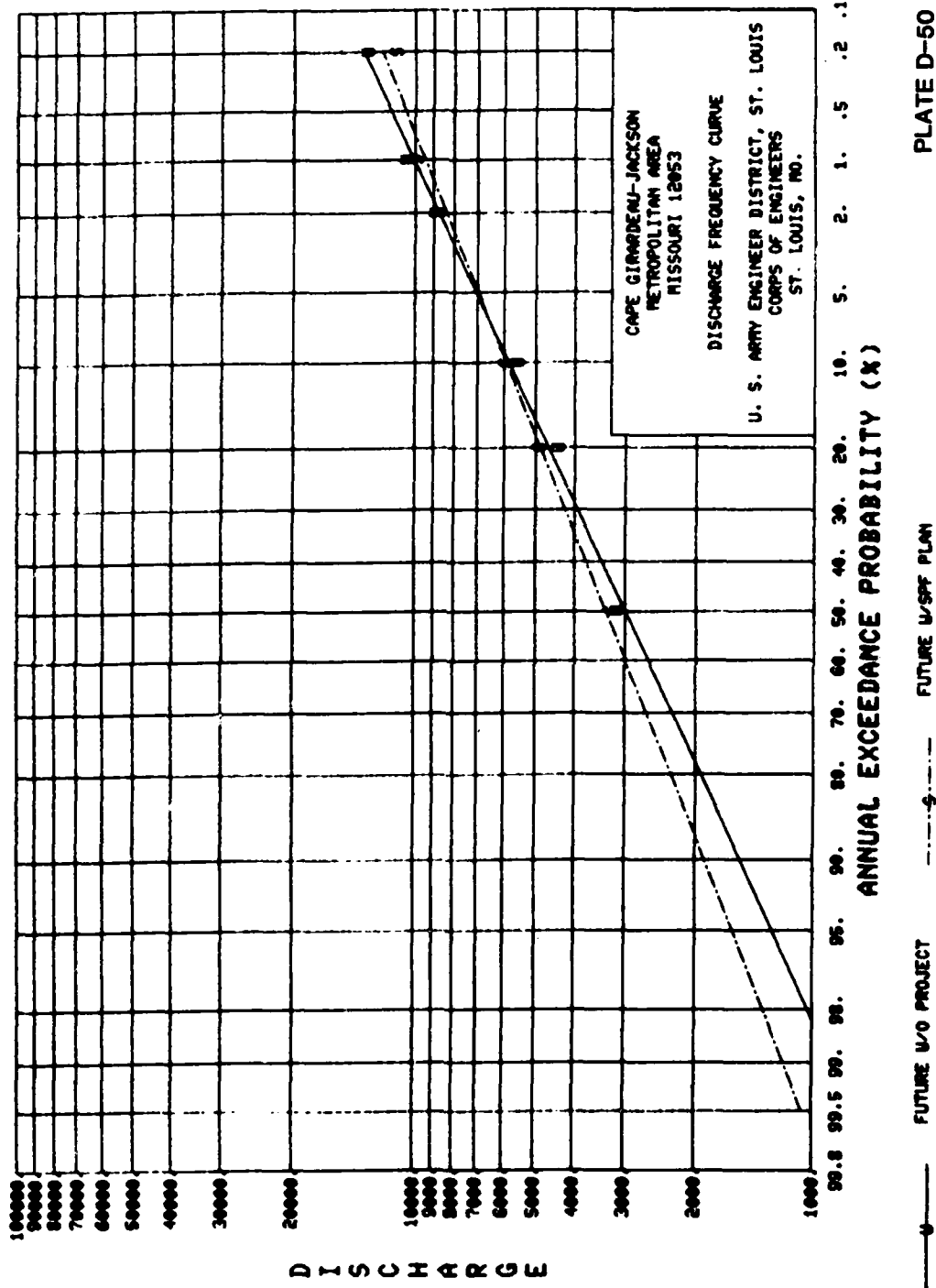
# WALKER BRANCH AT BESSIE STREET (MI 0.59)



# WALKER BRANCH AT MOUTH (MI 0.00)



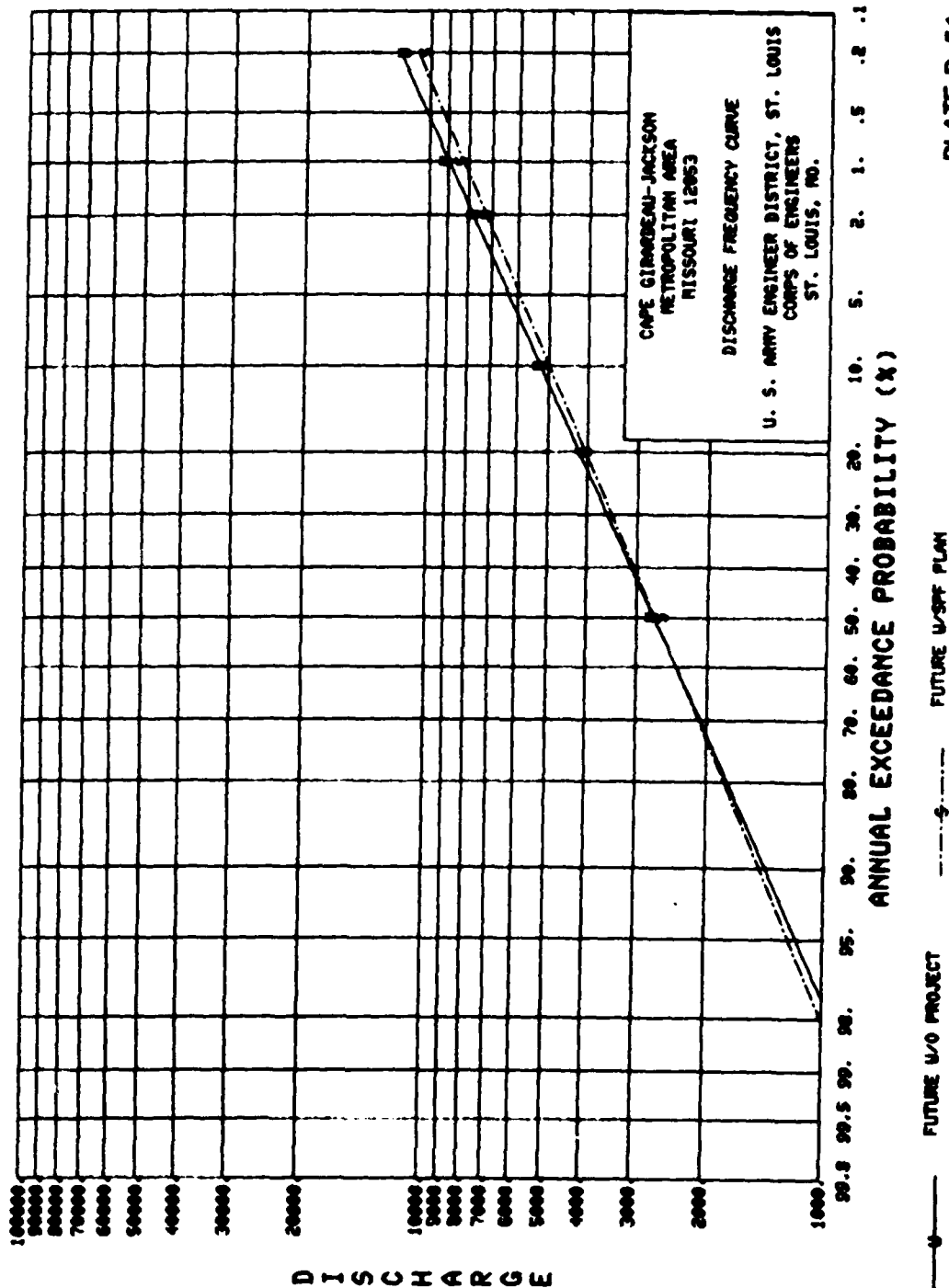
# CAPE LA CROIX BELOW WALKER BRANCH (MI 3.10)

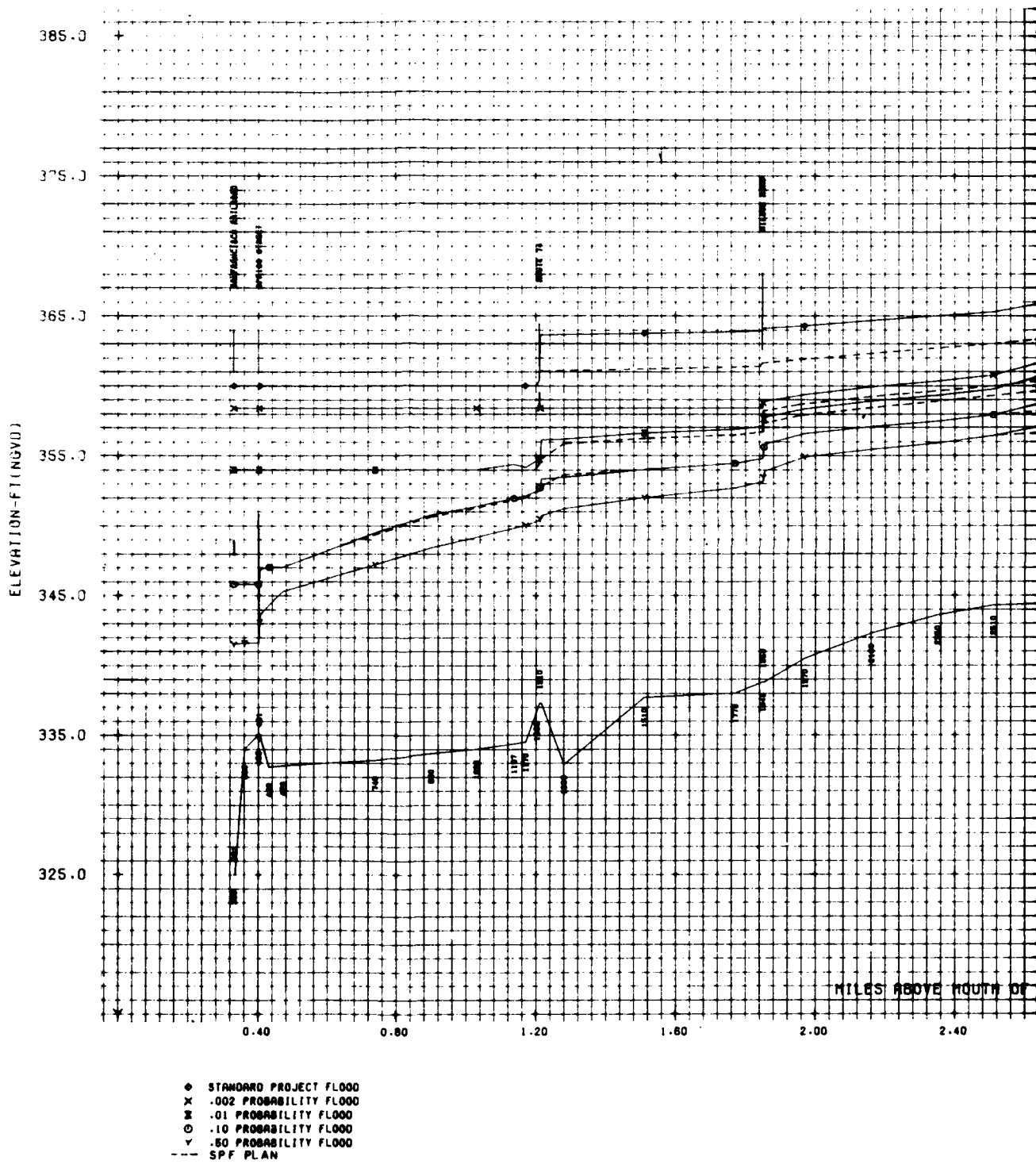


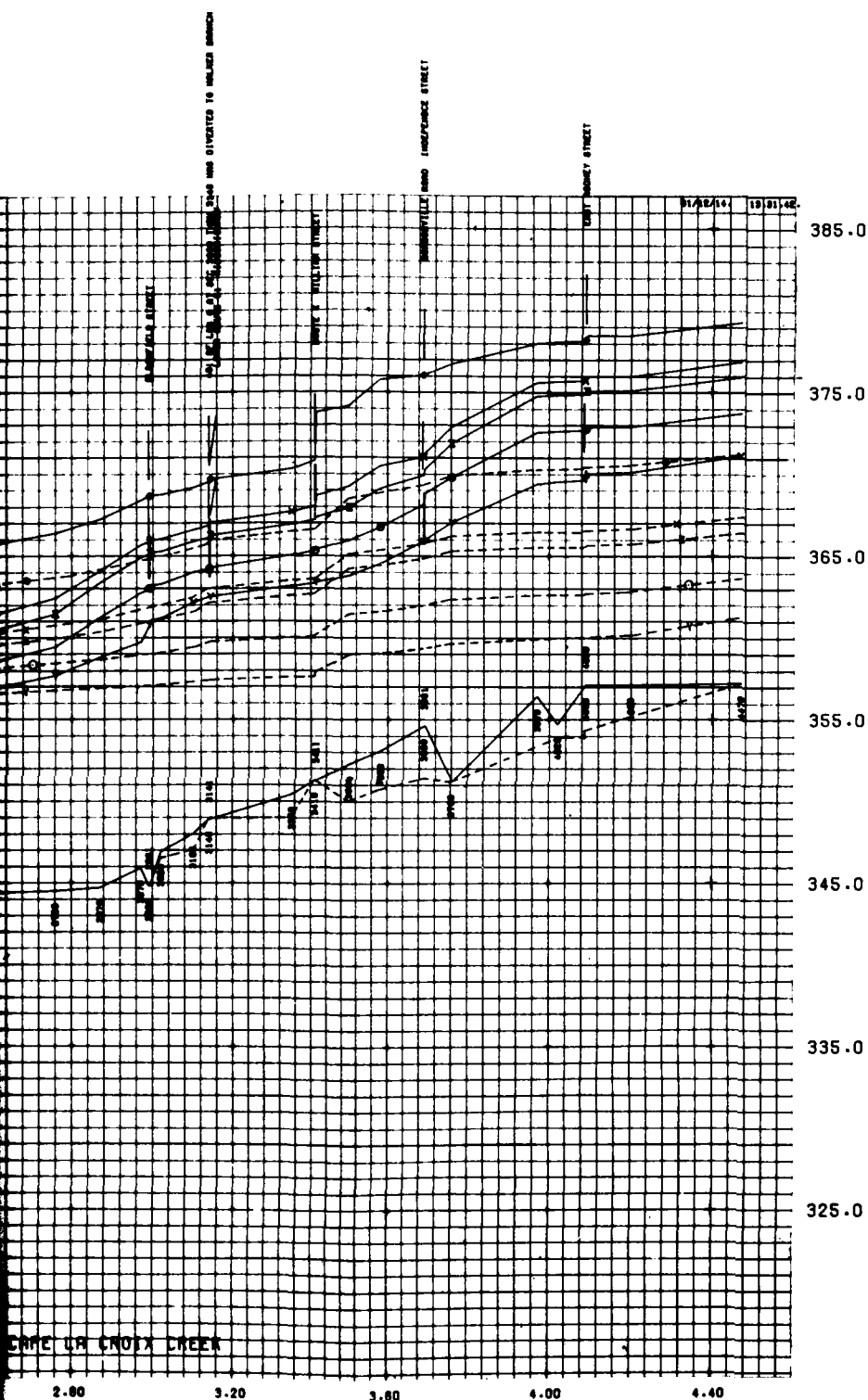
PLATED D-50



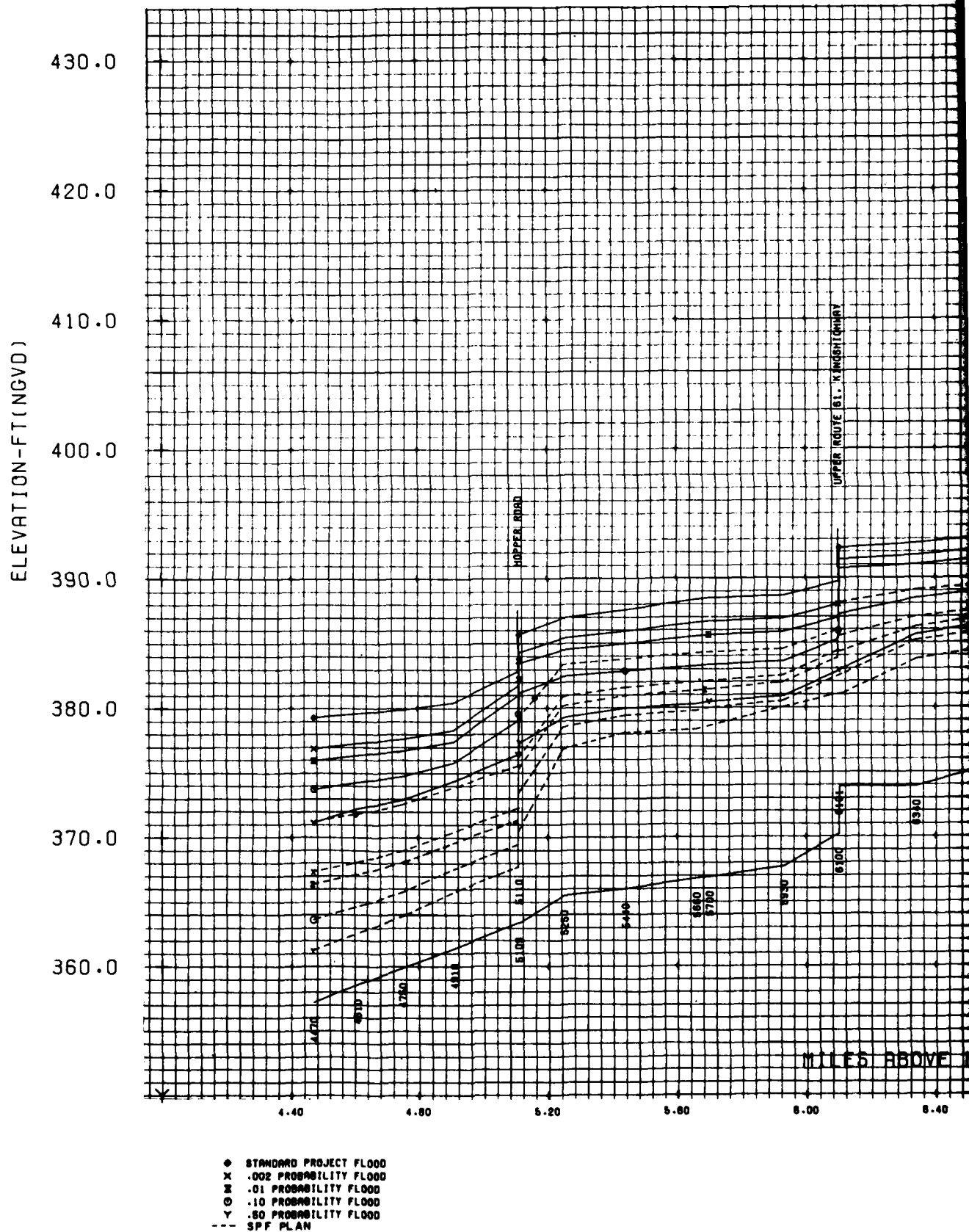
# CAPE LA CROIX CREEK AT MOUTH (MI 0.00)

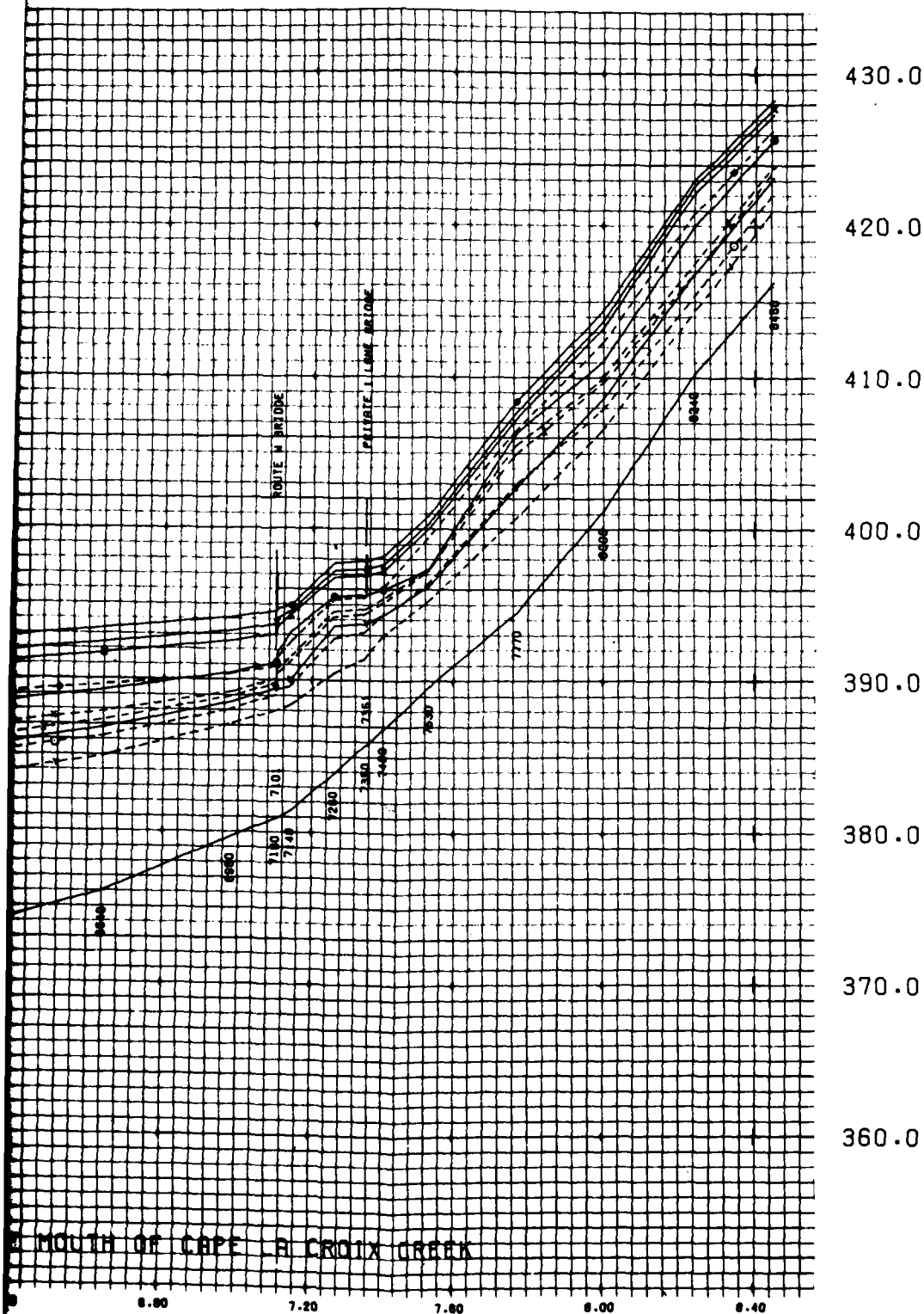






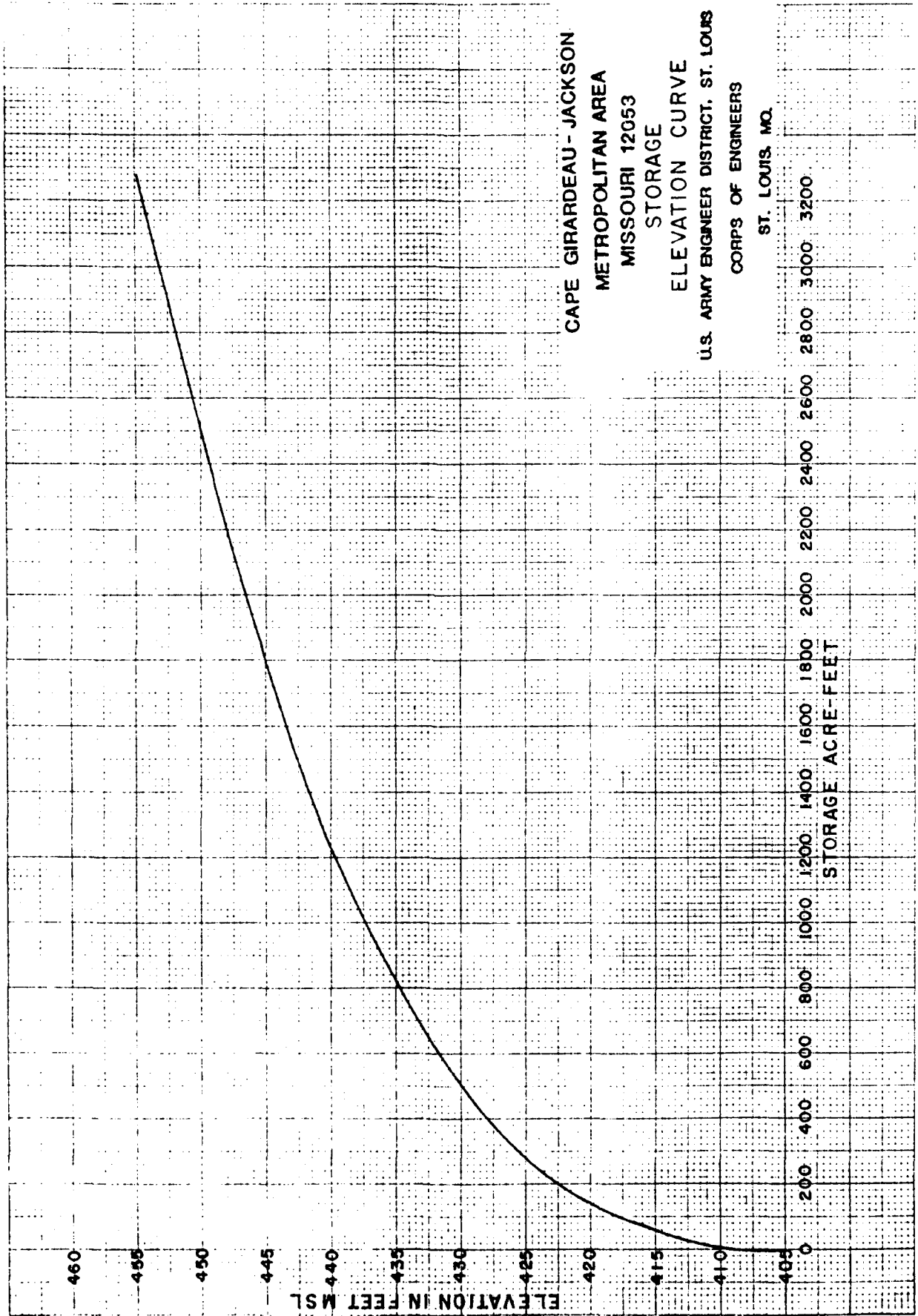
CAPE GRANDEAU - JACKSON  
 METROPOLITAN AREA  
 MISSOURI 1893  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
 FUTURE W/O PROJECT VS  
 U.S. ARMY ENGINEER CORPS, ST. LOUIS  
 ST. LOUIS, MO.



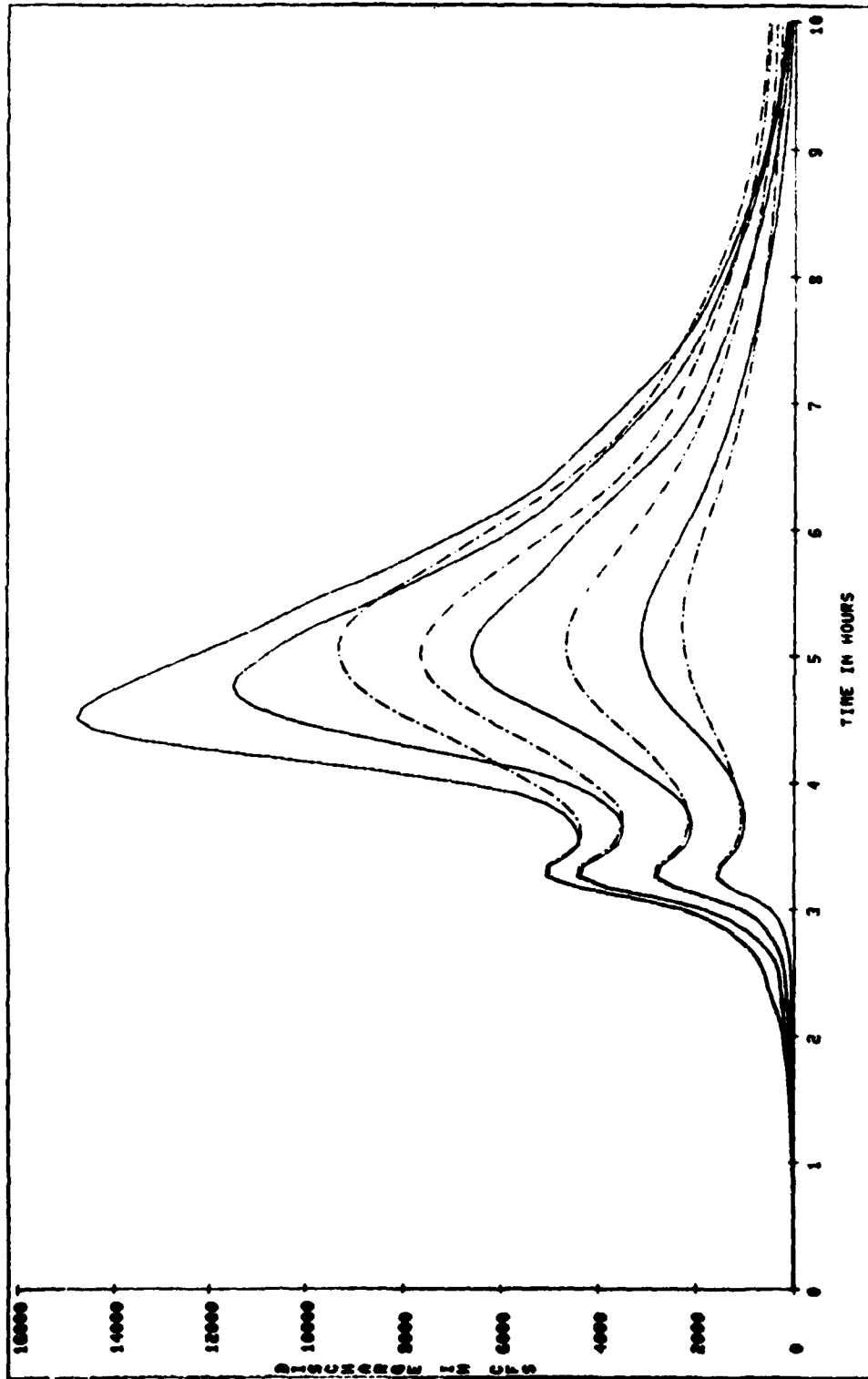


CAPE GRAND - JACKSON  
METROPOLITAN AREA  
MISSOURI 1953  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
FUTURE W/O PROJECT VS  
FUTURE W/PP PLAN  
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.





CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
STORAGE  
ELEVATION CURVE  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

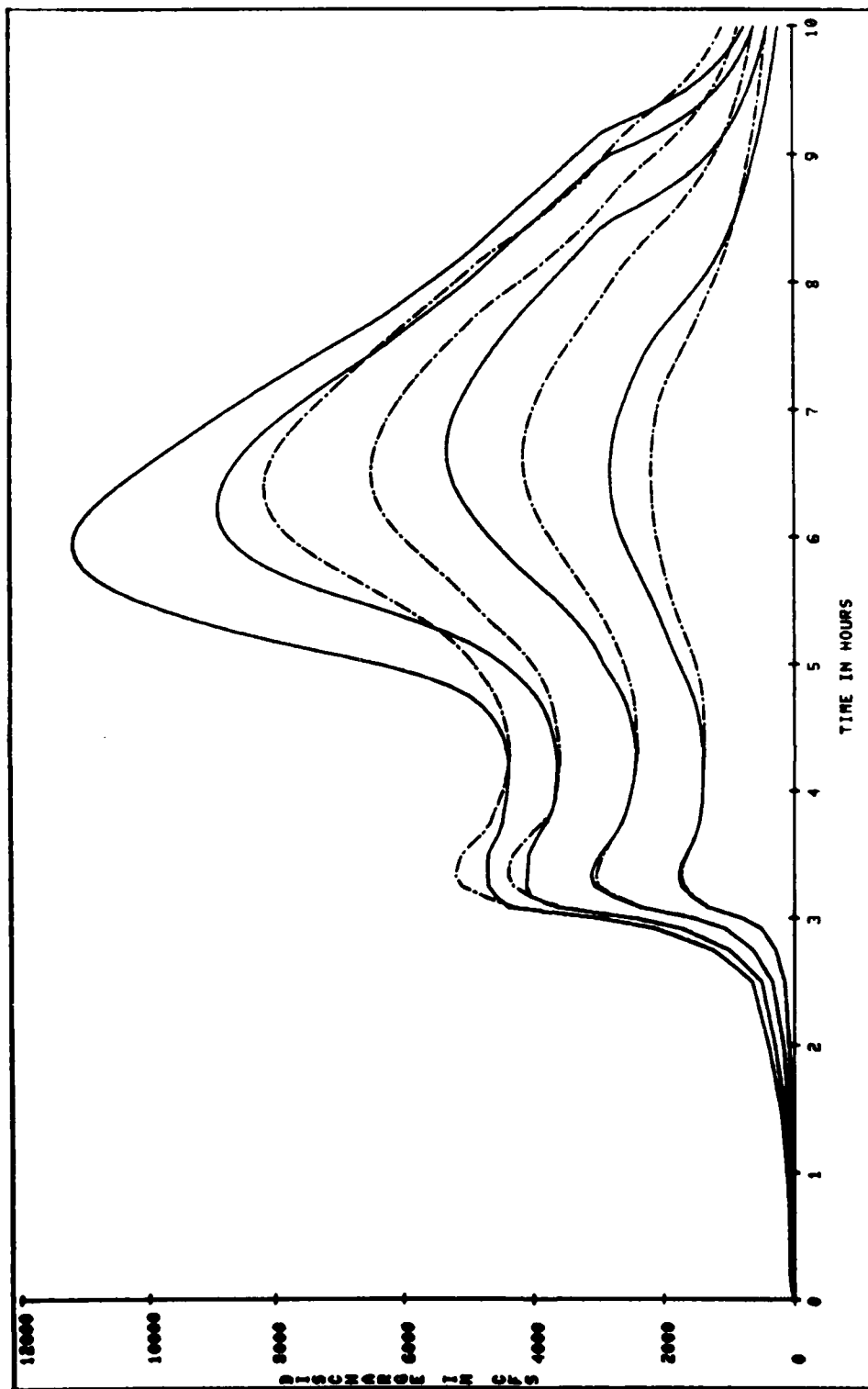
HYDROGRAPHS AT HOPPER ROAD

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN





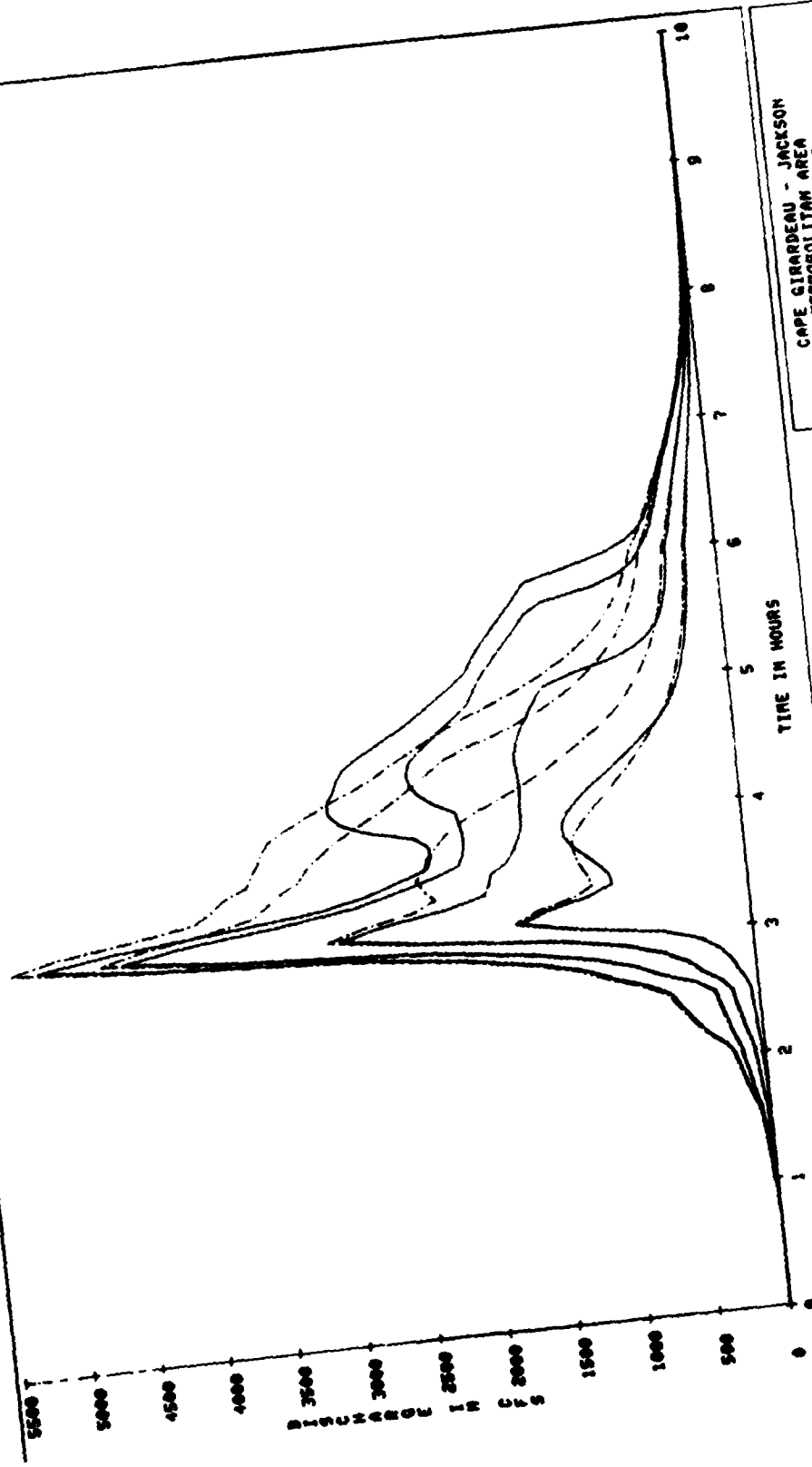
— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN

CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12853

HYDROGRAPHS AT LOWER RT 61 BRIDGE

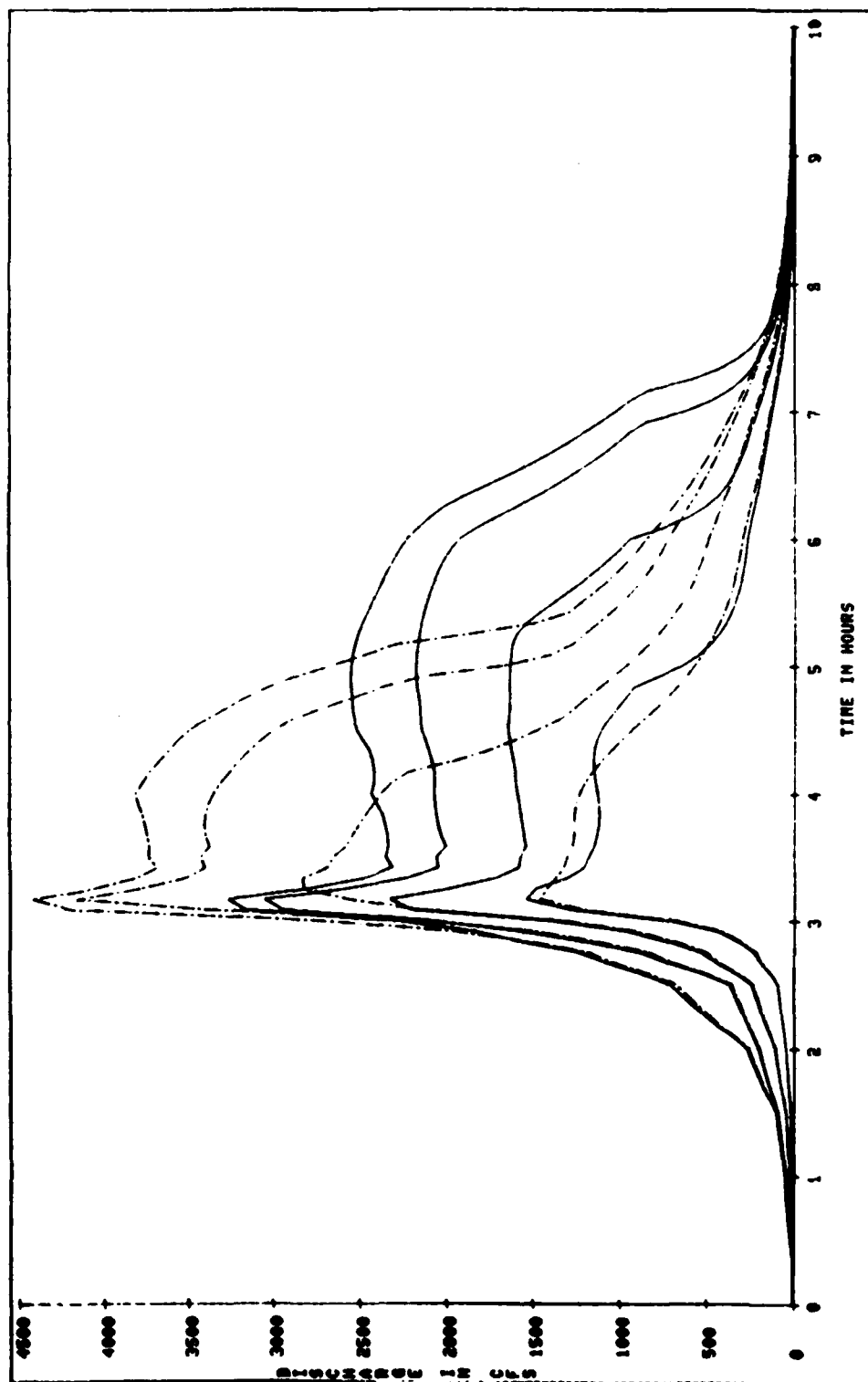
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12653

HYDROGRAPHS ON WALKER AT BESSIE ST. 1  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT  
- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

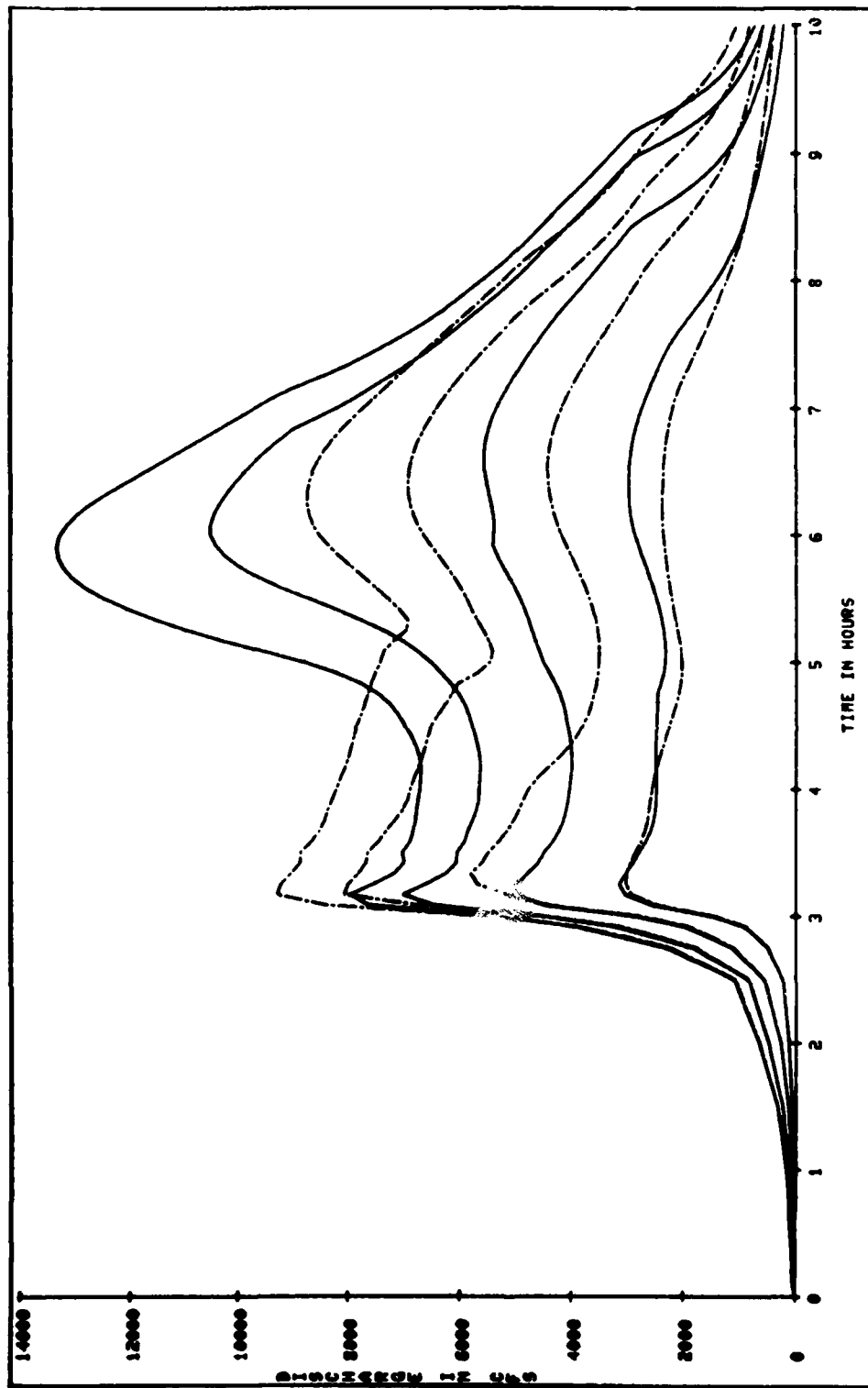
HYDROGRAPHS ON WALKER AT MOUTH

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN

PLATE D-59



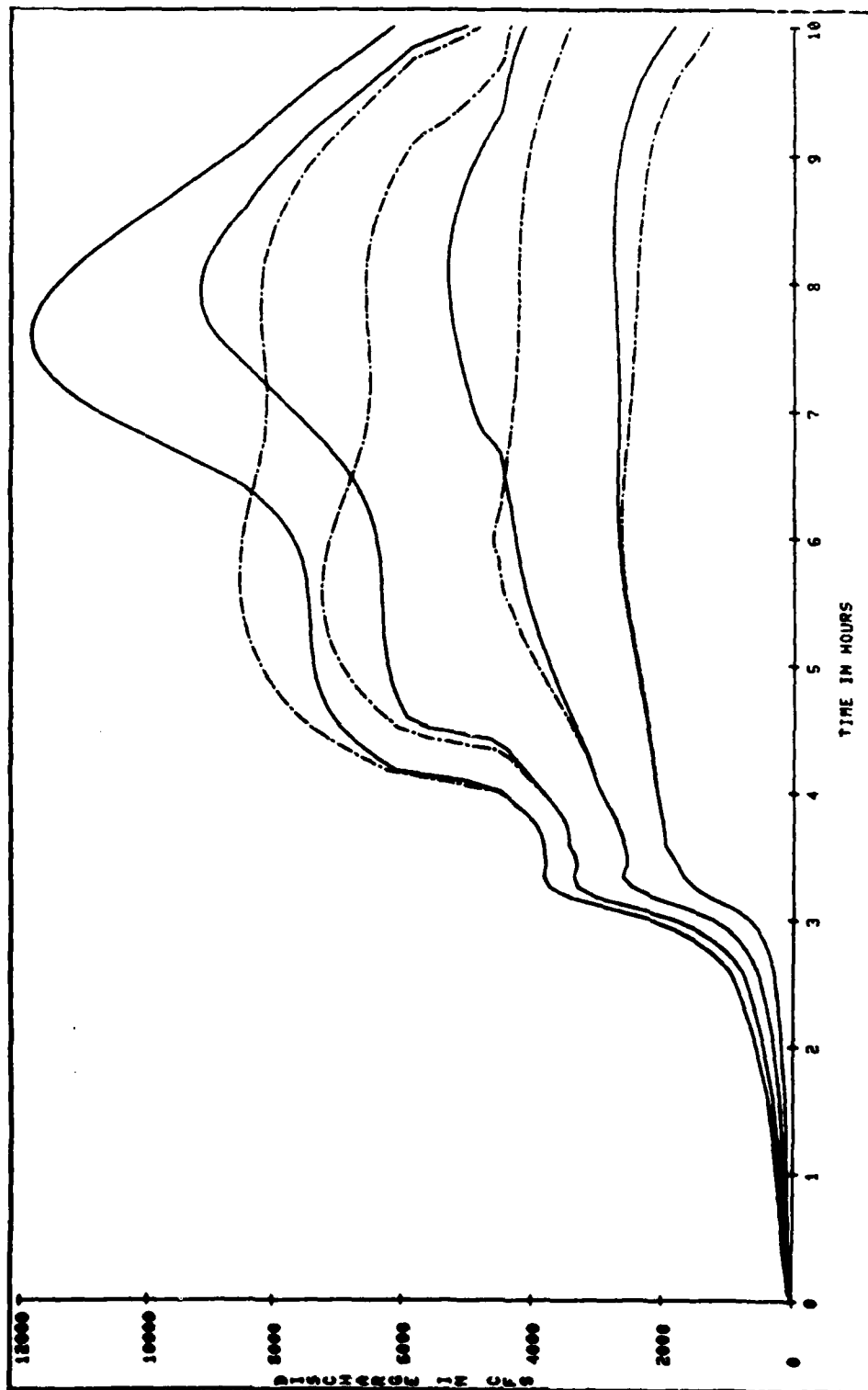
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12653

HYDROGRAPHS AT JCT. OF CAPE & WALKER

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12953

HYDROGRAPHS AT MOUTH OF CAPE LA CROIX

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

— 2, 10, 100, 500 YR. STORM - FUTURE WITHOUT

- - - 2, 10, 100, 500 YR. STORM - FUTURE WITH RECOMMENDED PLAN

10-A141 580

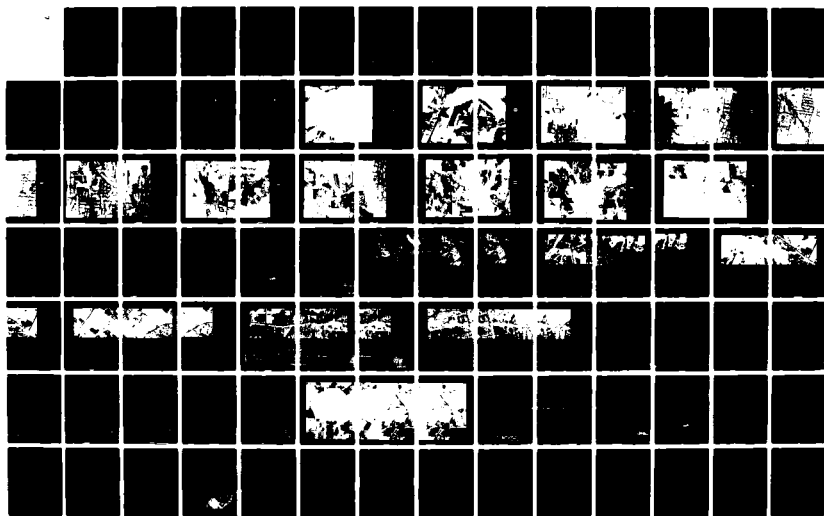
WATER RESOURCES INVESTIGATION CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA MISSOURI VOLUME 3 PLATES(U) ARMY  
ENGINEER DISTRICT ST LOUIS MO DEC 83

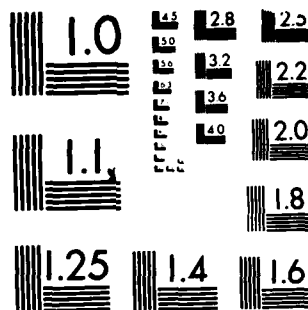
2/3

UNCLASSIFIED

F/G 13/2

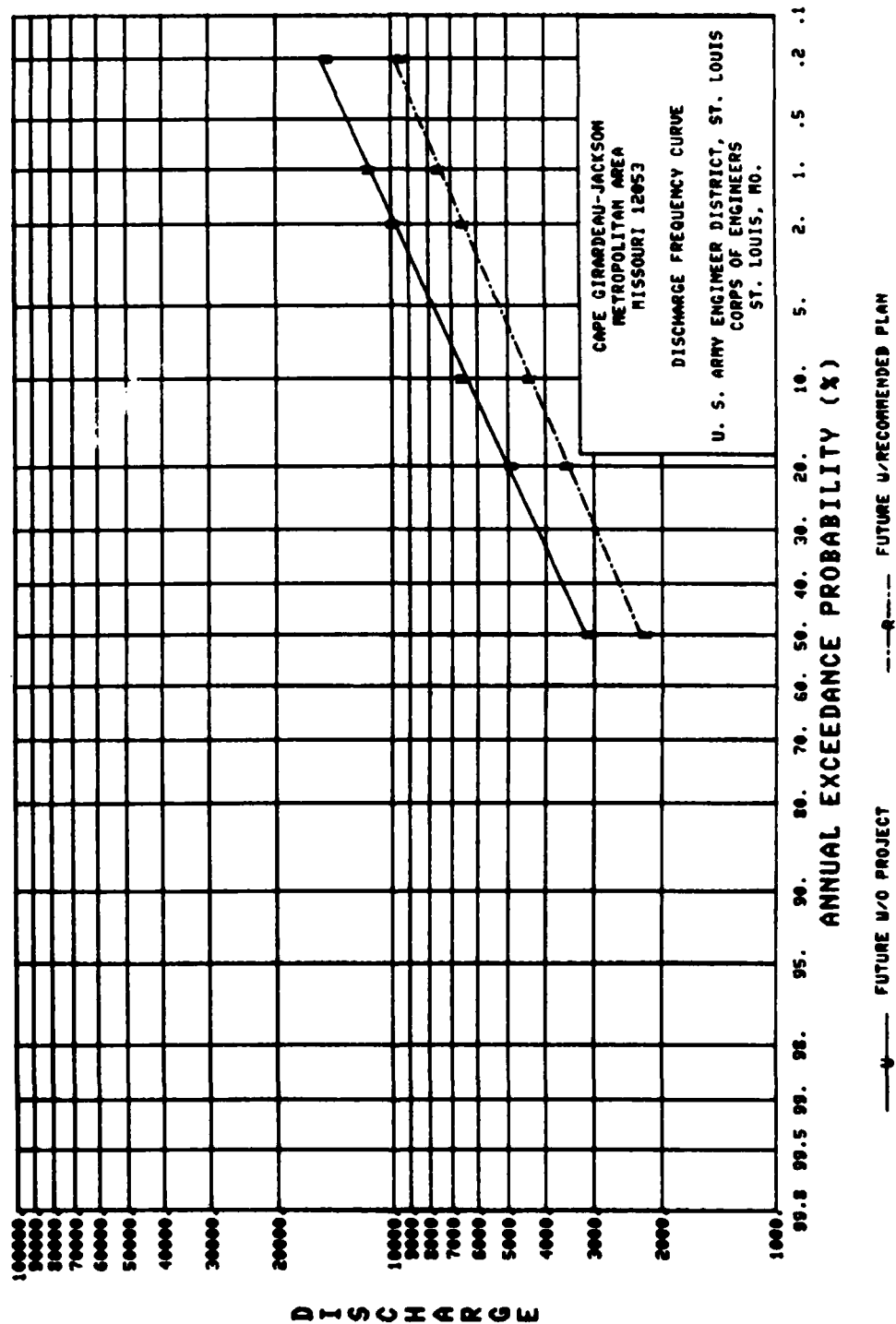
NL





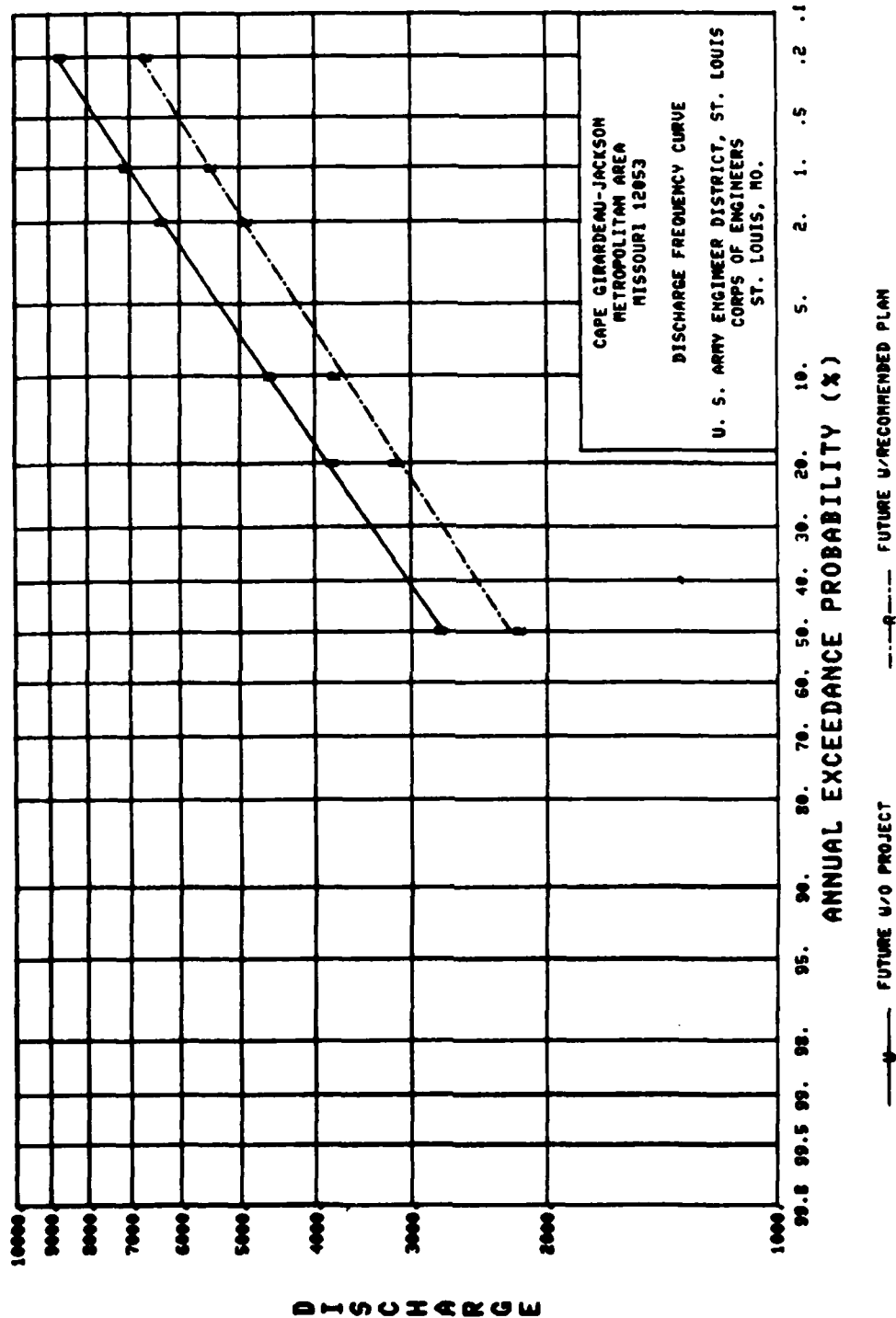
MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# CAPE LA CROIX CREEK AT HOPPER ROAD (MI 5.11)





# CAPE LA CROIX CREEK ABOVE WALKER BRANCH



# WALKER BRANCH AT BESSIE STREET(MI .59)

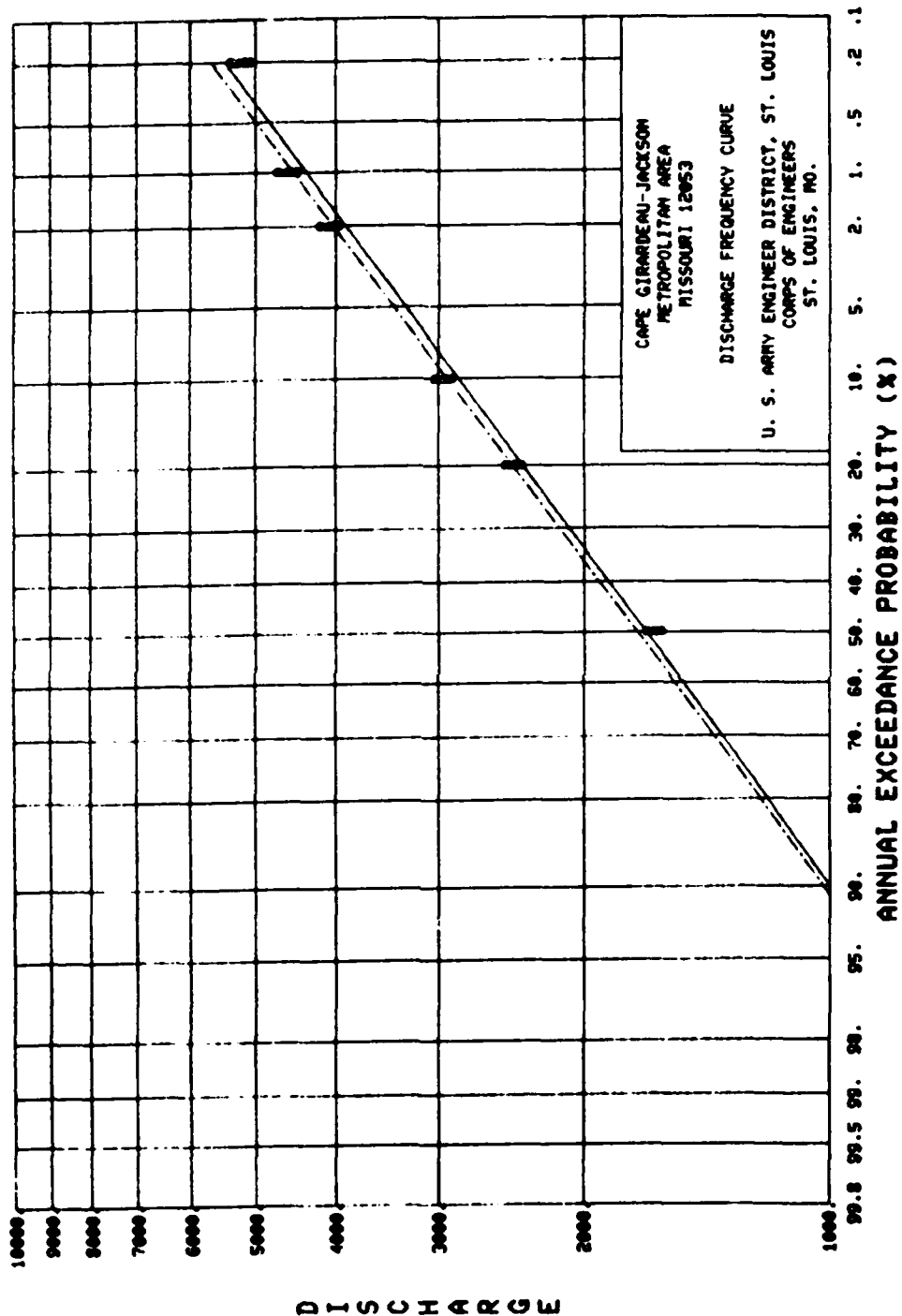
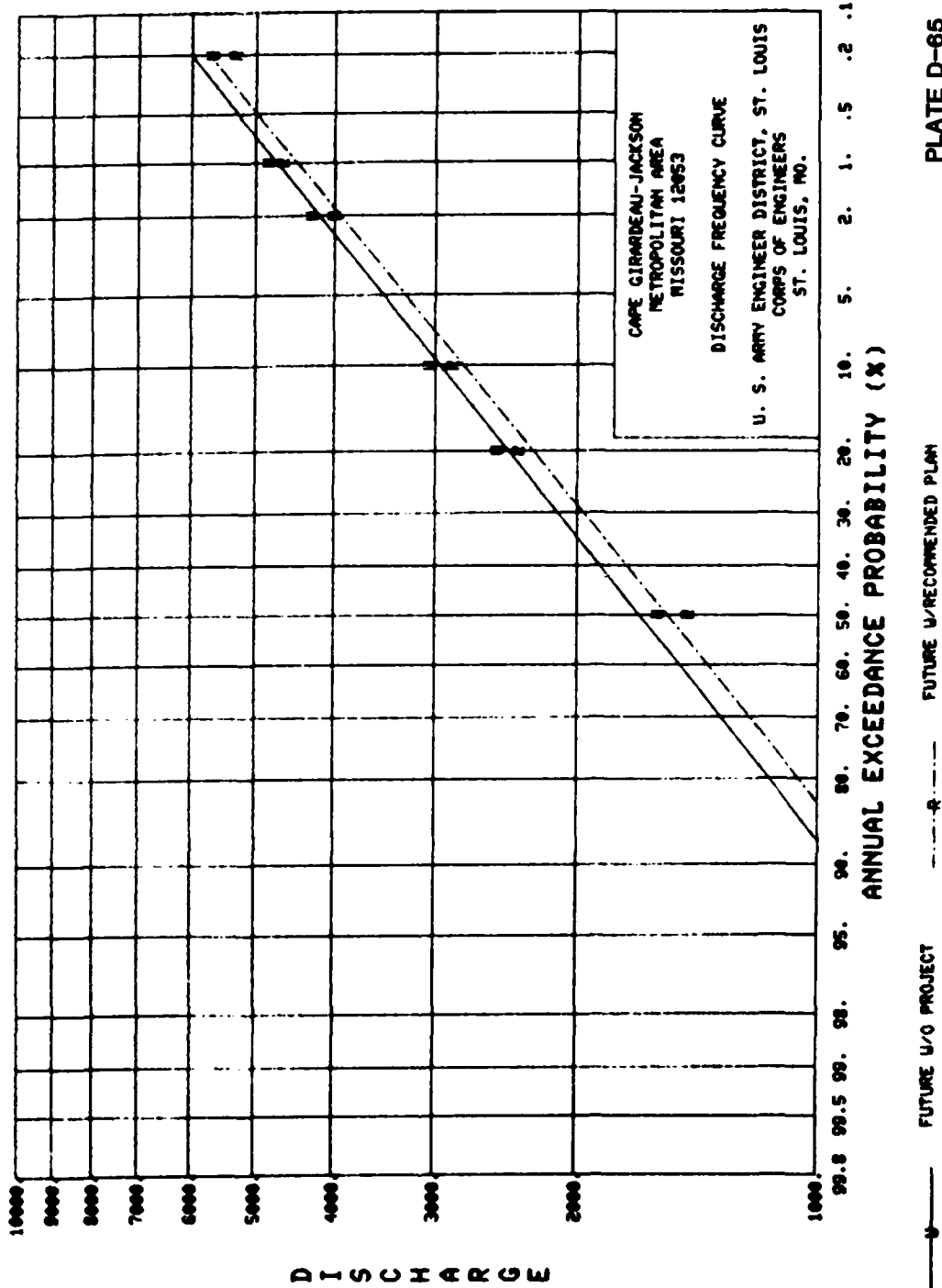


PLATE D-64

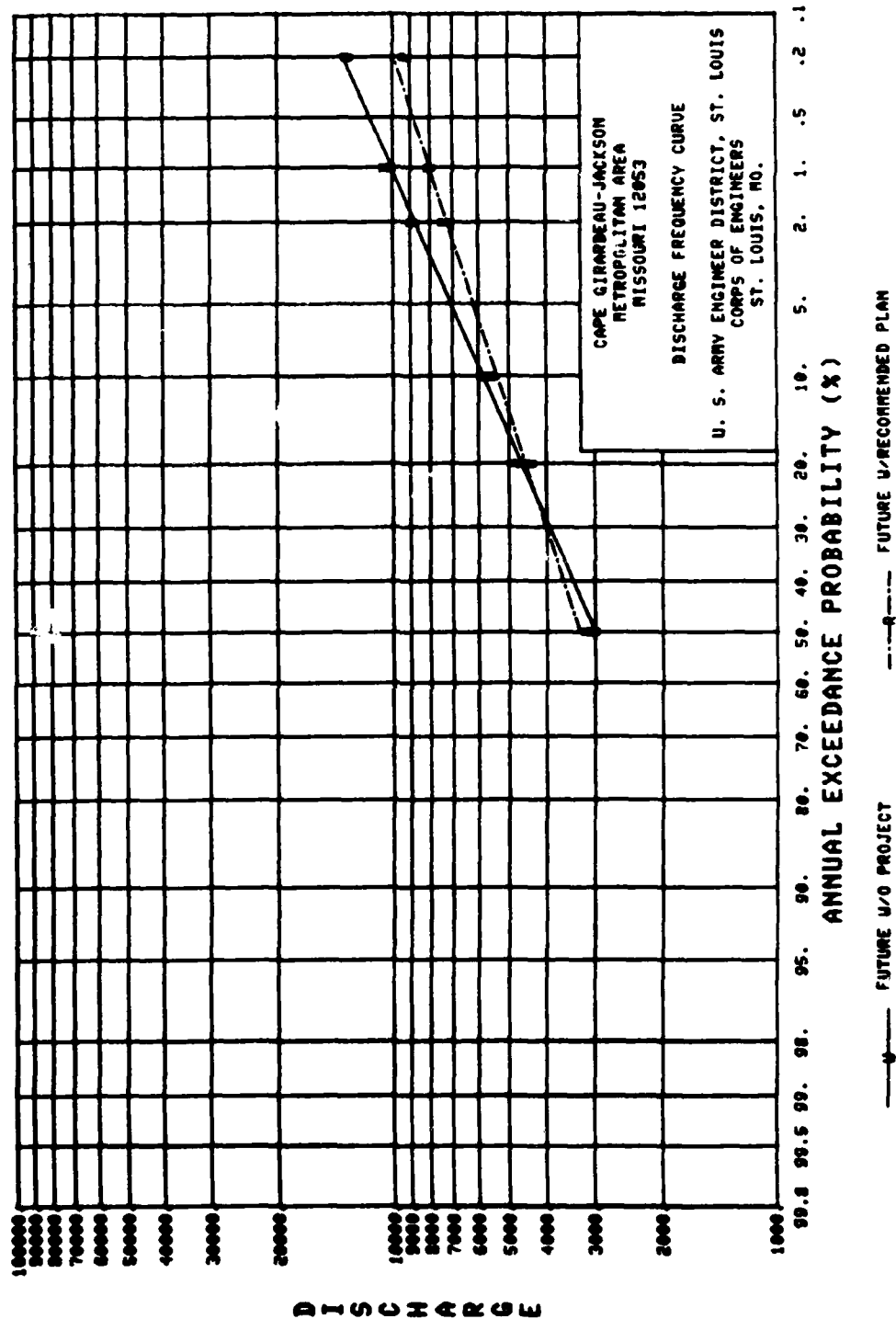
FUTURE U/O PROJECT

FUTURE U/O PROJECT

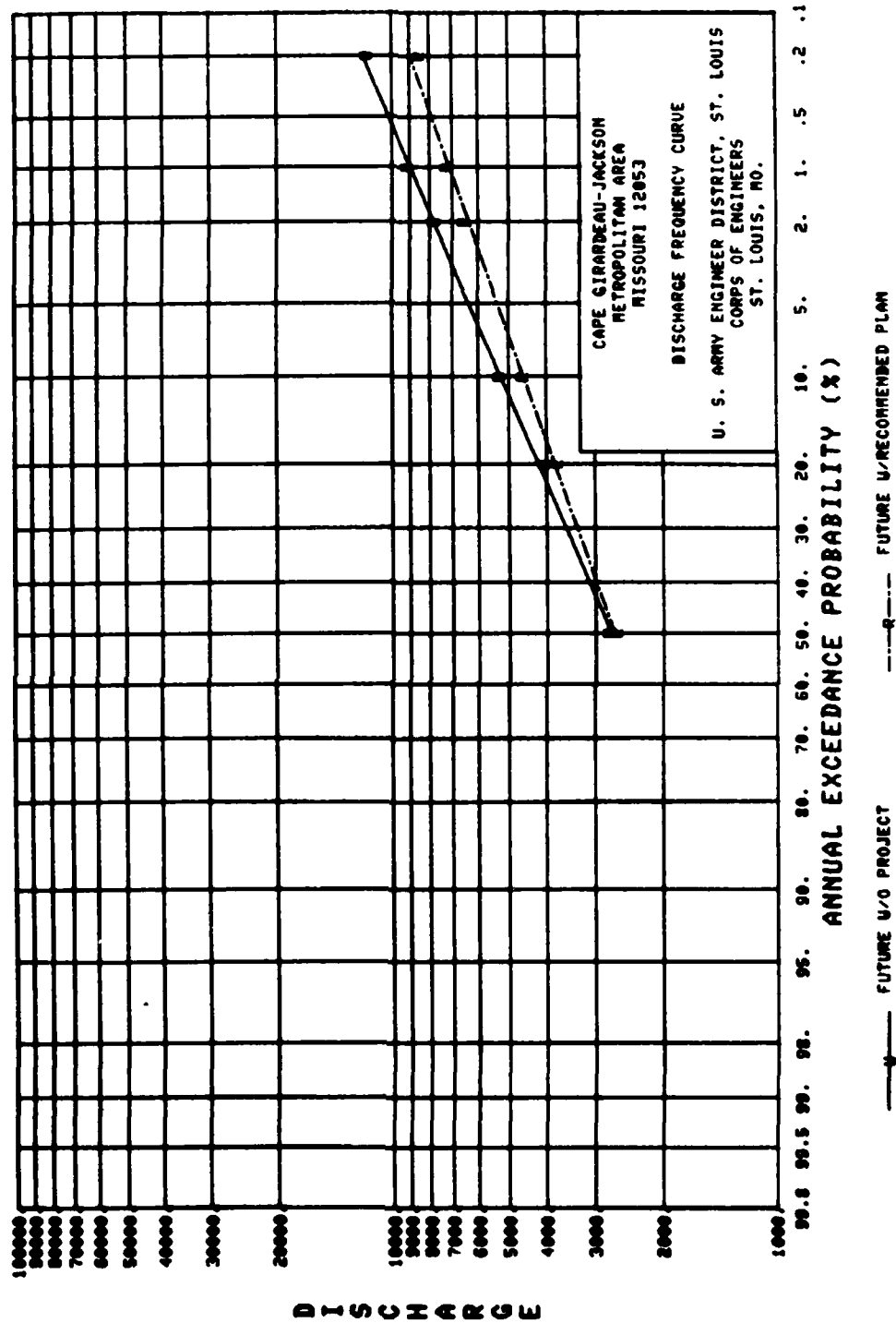
# WALKER BRANCH AT MOUTH (MI 0.00)

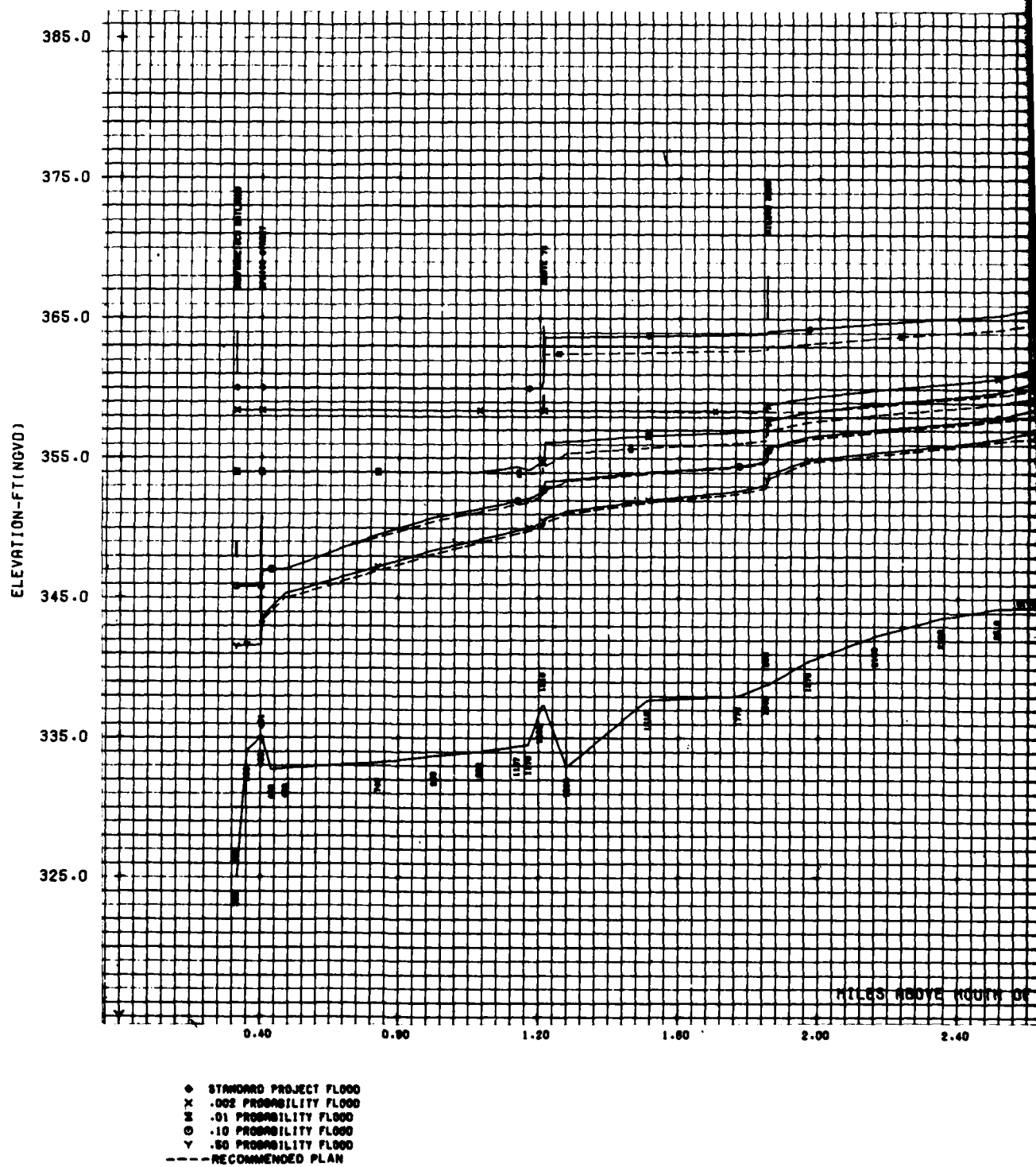


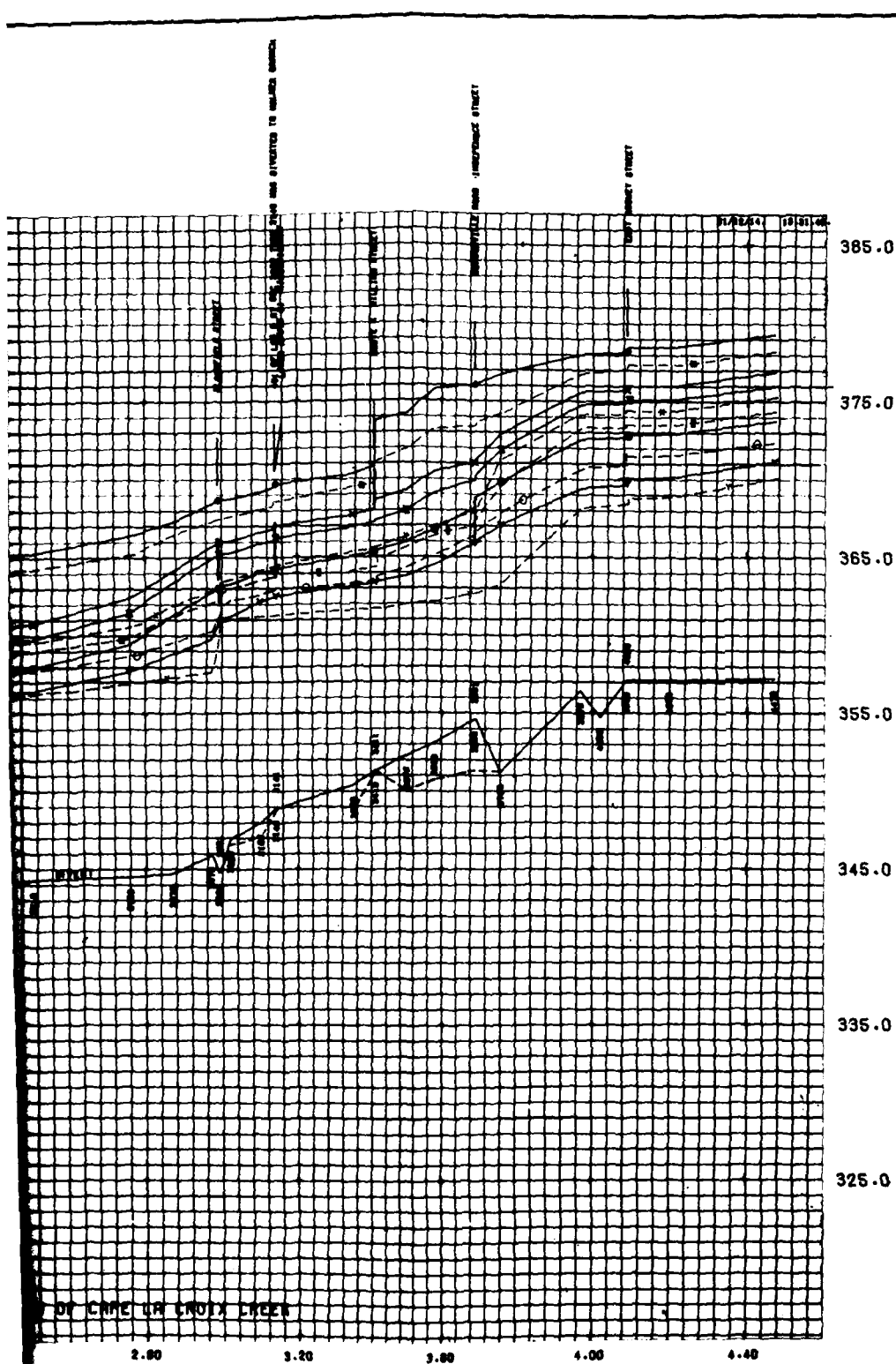
# CAPE LA CROIX CREEK BELOW WALKER BRANCH



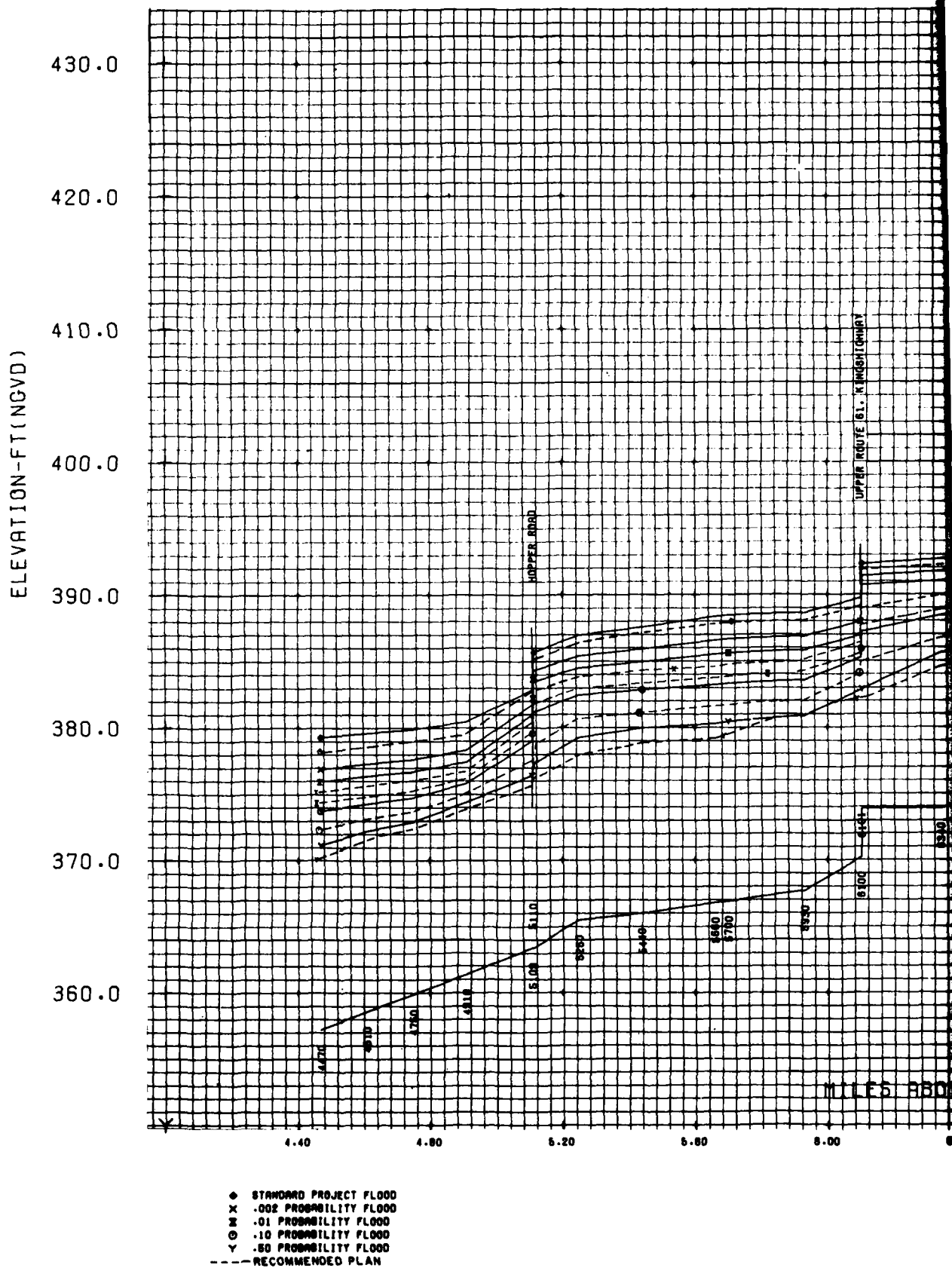
# CAPE LA CROIX AT MOUTH (MI 0.00)



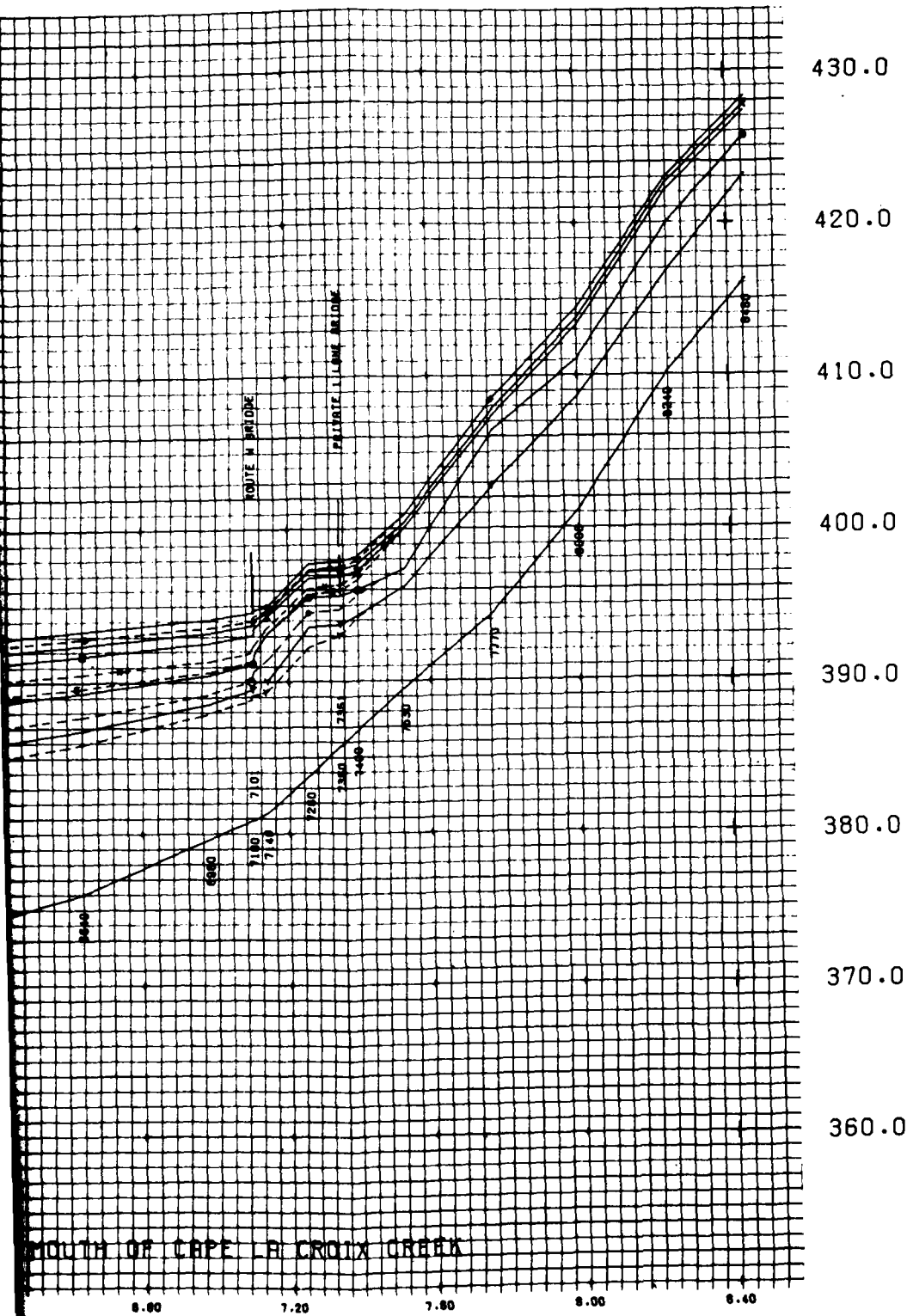




CAPE GRANDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 1983  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
FUTURE W/O PROJECT VS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.







MOUTH OF CAPE LA CROIX CREEK

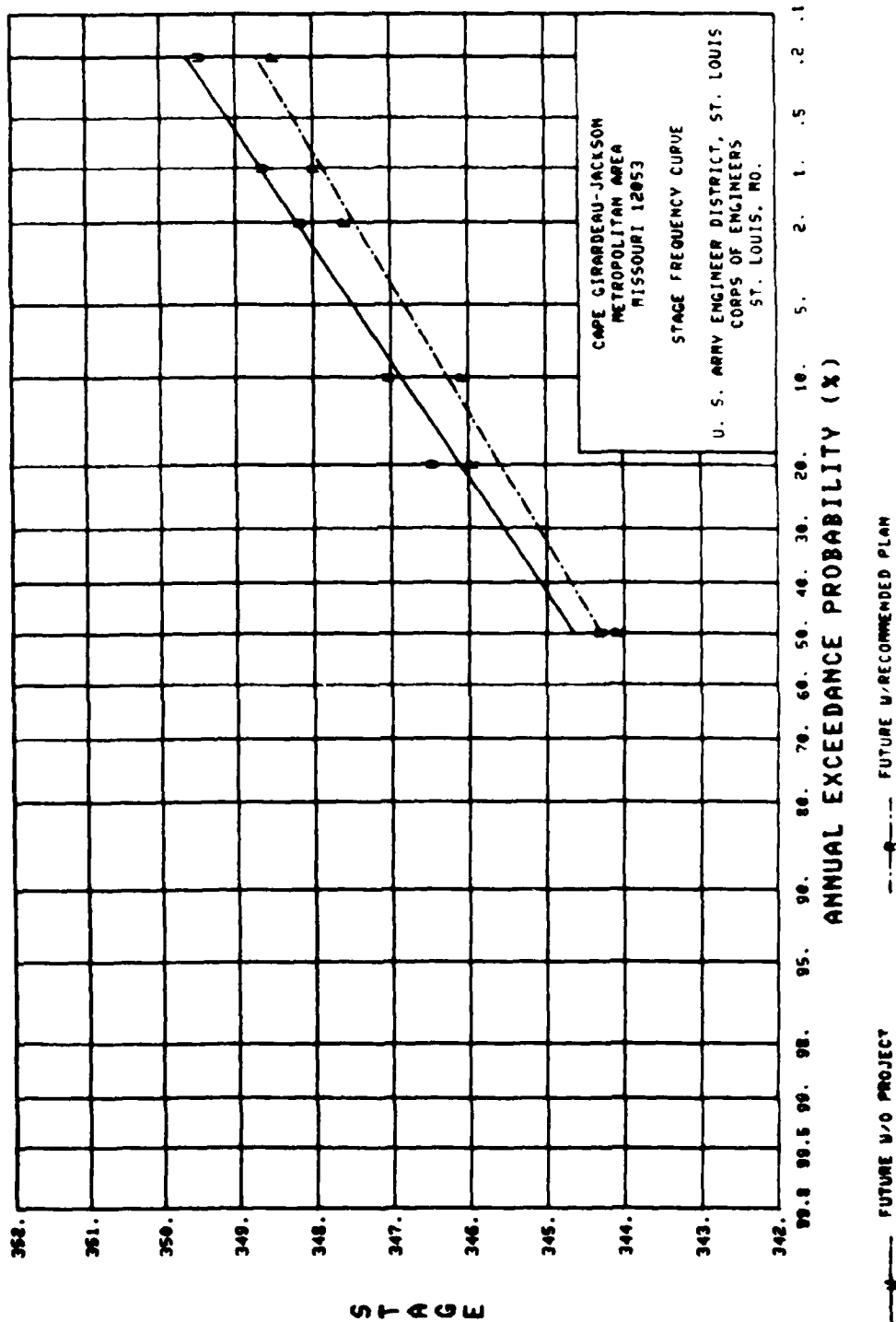
CAPE GRASBEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
FUTURE W/O PROJECT VS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-69

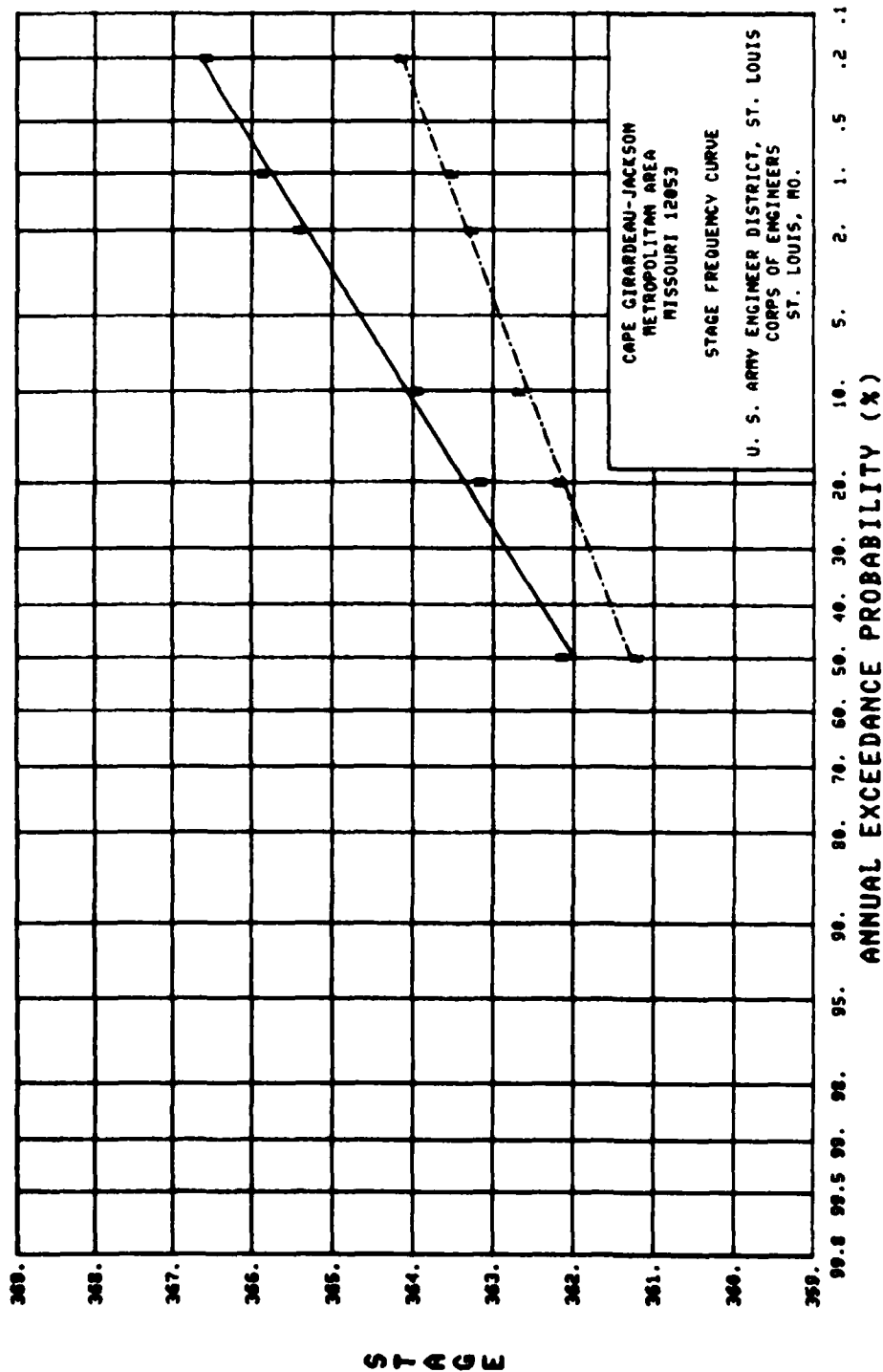
2



# CAPE LA CROIX CREEK AT MILE 0.43

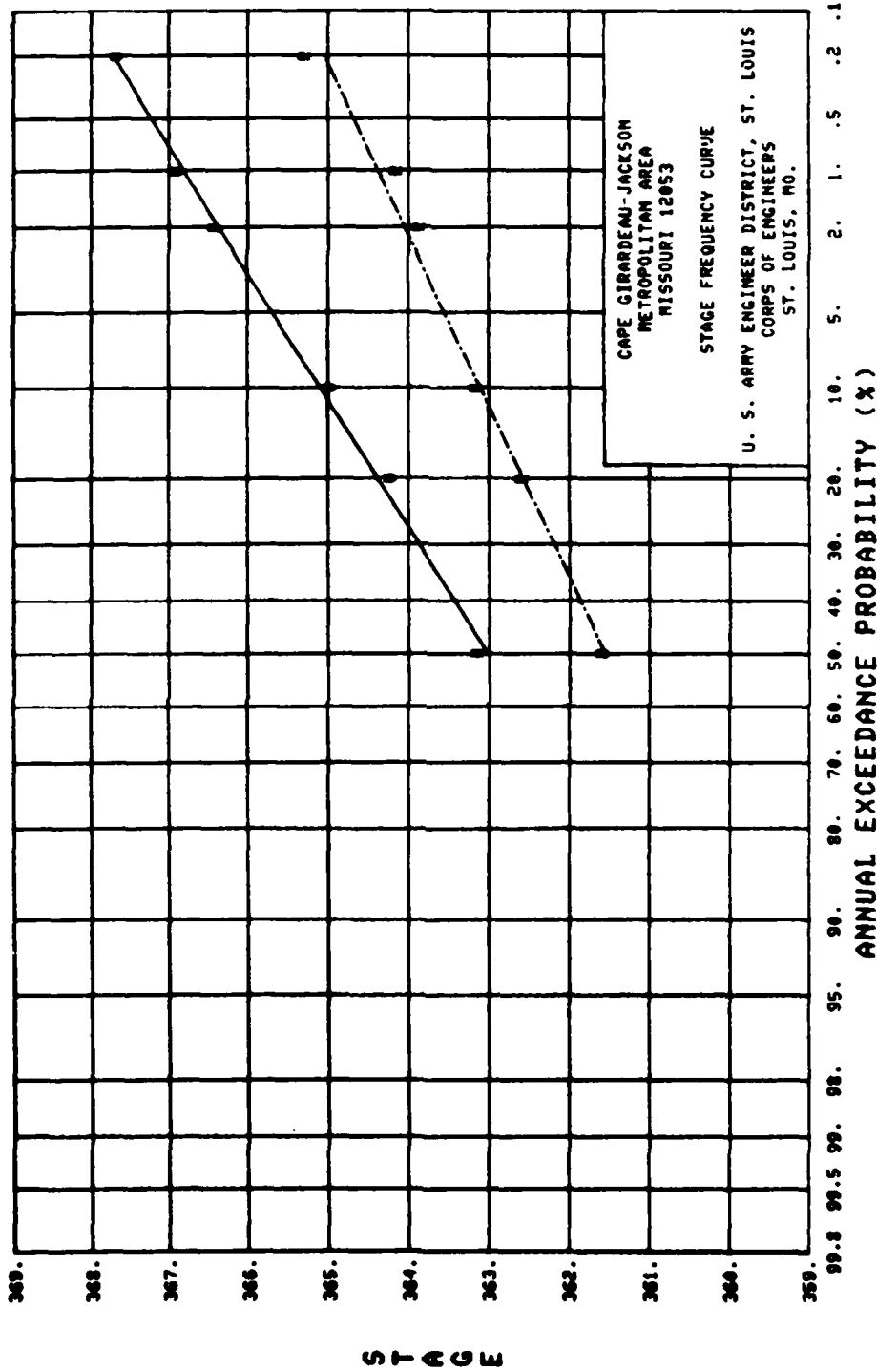


# CAPE LA CROIX CREEK AT MILE 3.10

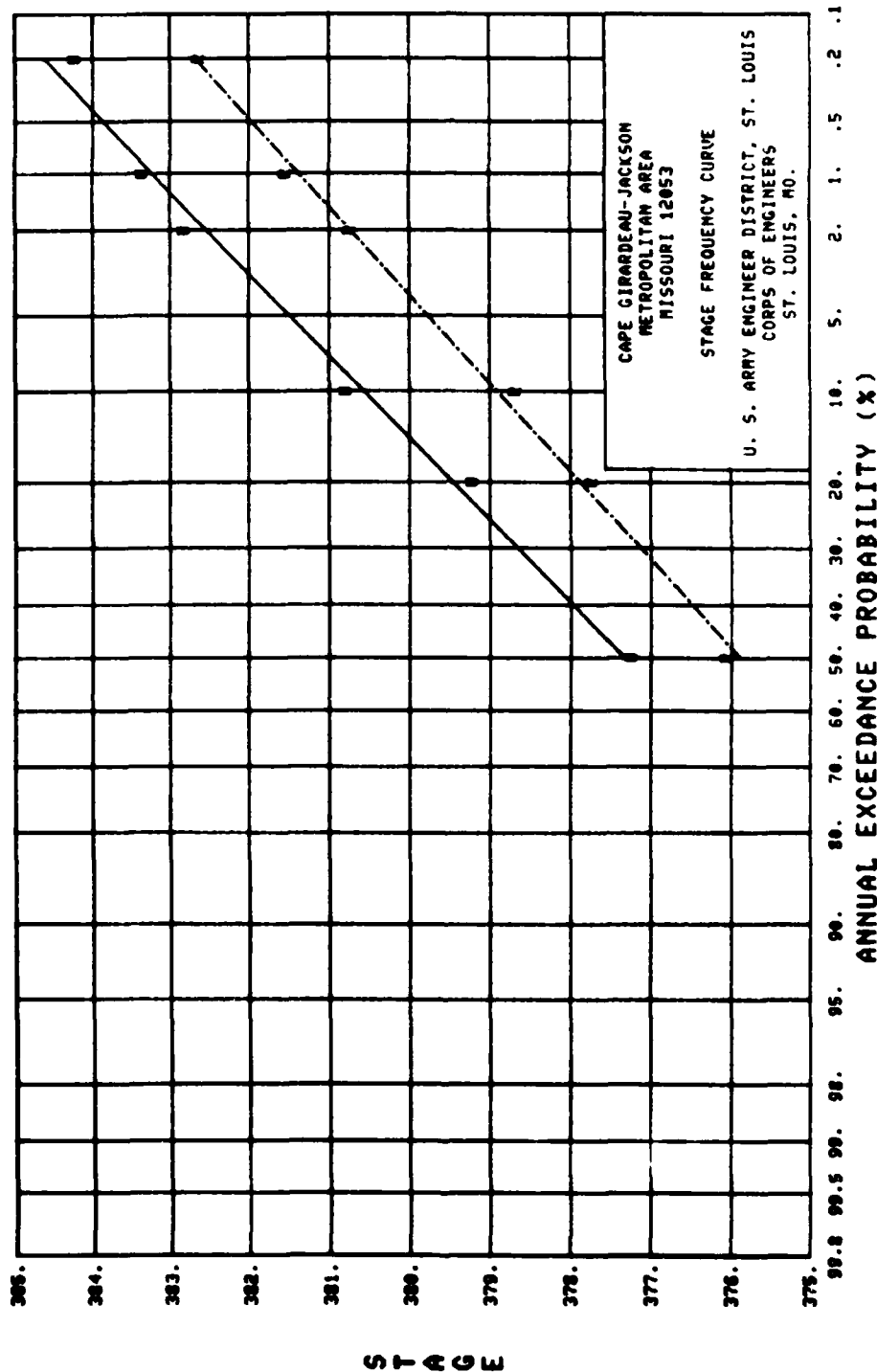


—●— FUTURE U/O PROJECT  
- - - - - FUTURE U/RECOMMENDED PLAN

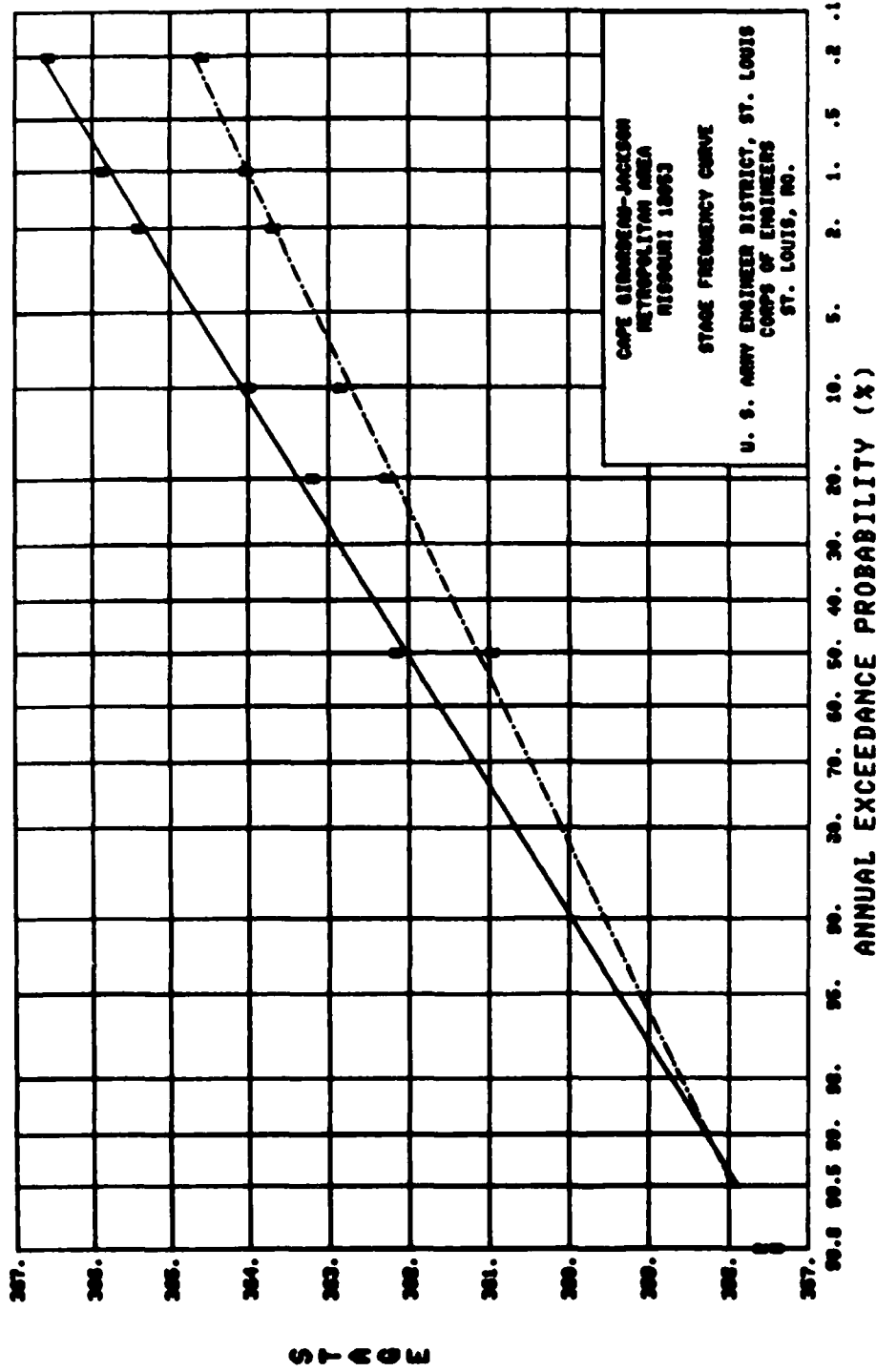
# CAPE LA CROIX CREEK AT MILE 3.35



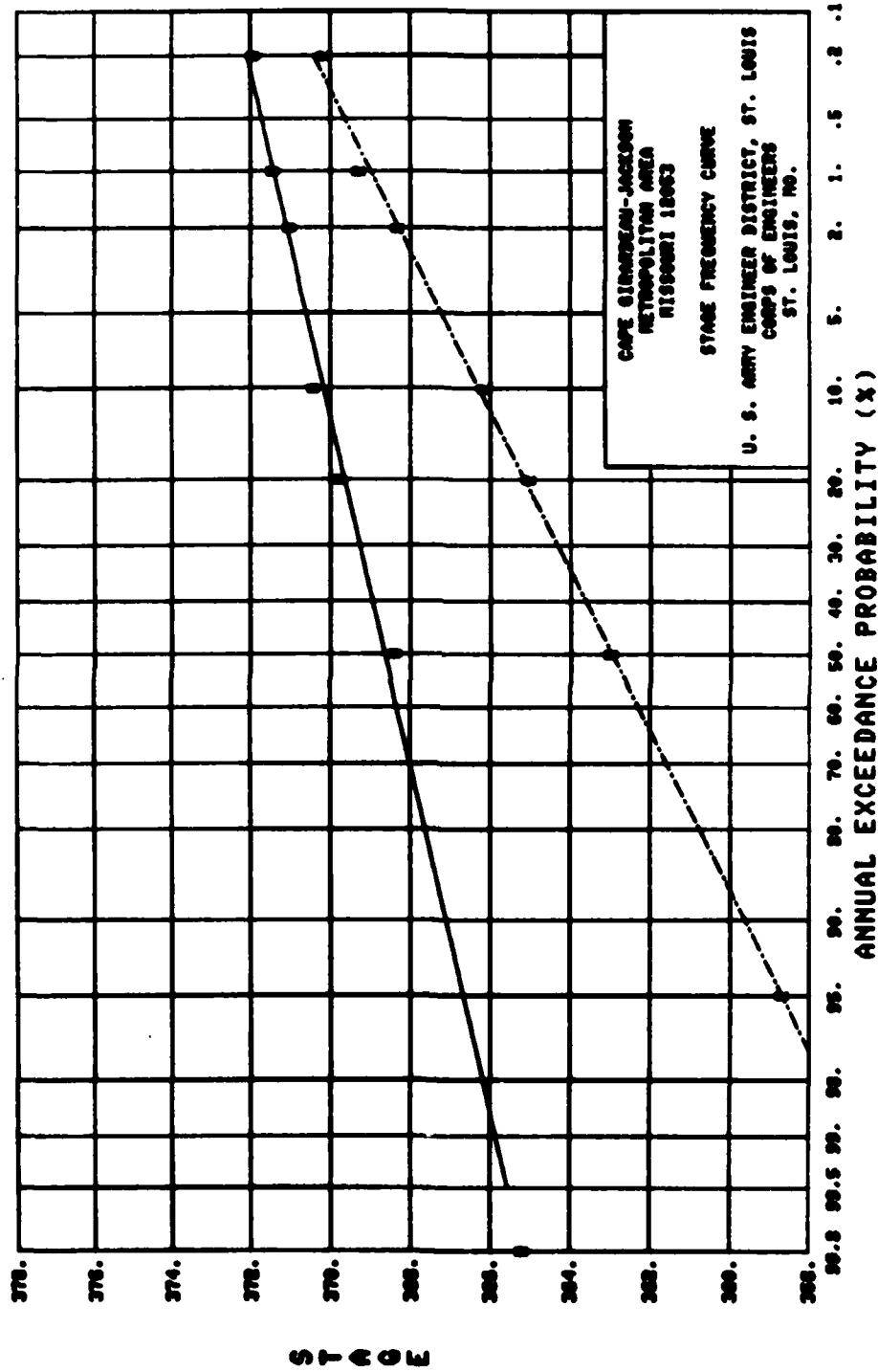
# CAPE LA CROIX CREEK AT MILE 5.11



# WALKER BRANCH AT MILE 0.30



# WALKER BRANCH AT MILE 0.59







N.



**LEGEND**



10% PROBABILITY

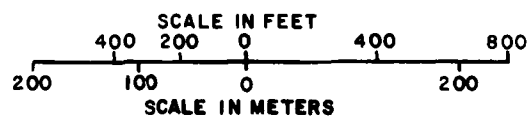


1% PROBABILITY



STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-77

2




CORPS OF ENGINEERS

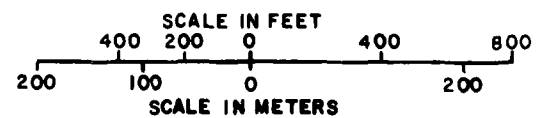


U S ARMY



**LEGEND**

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10M MILE



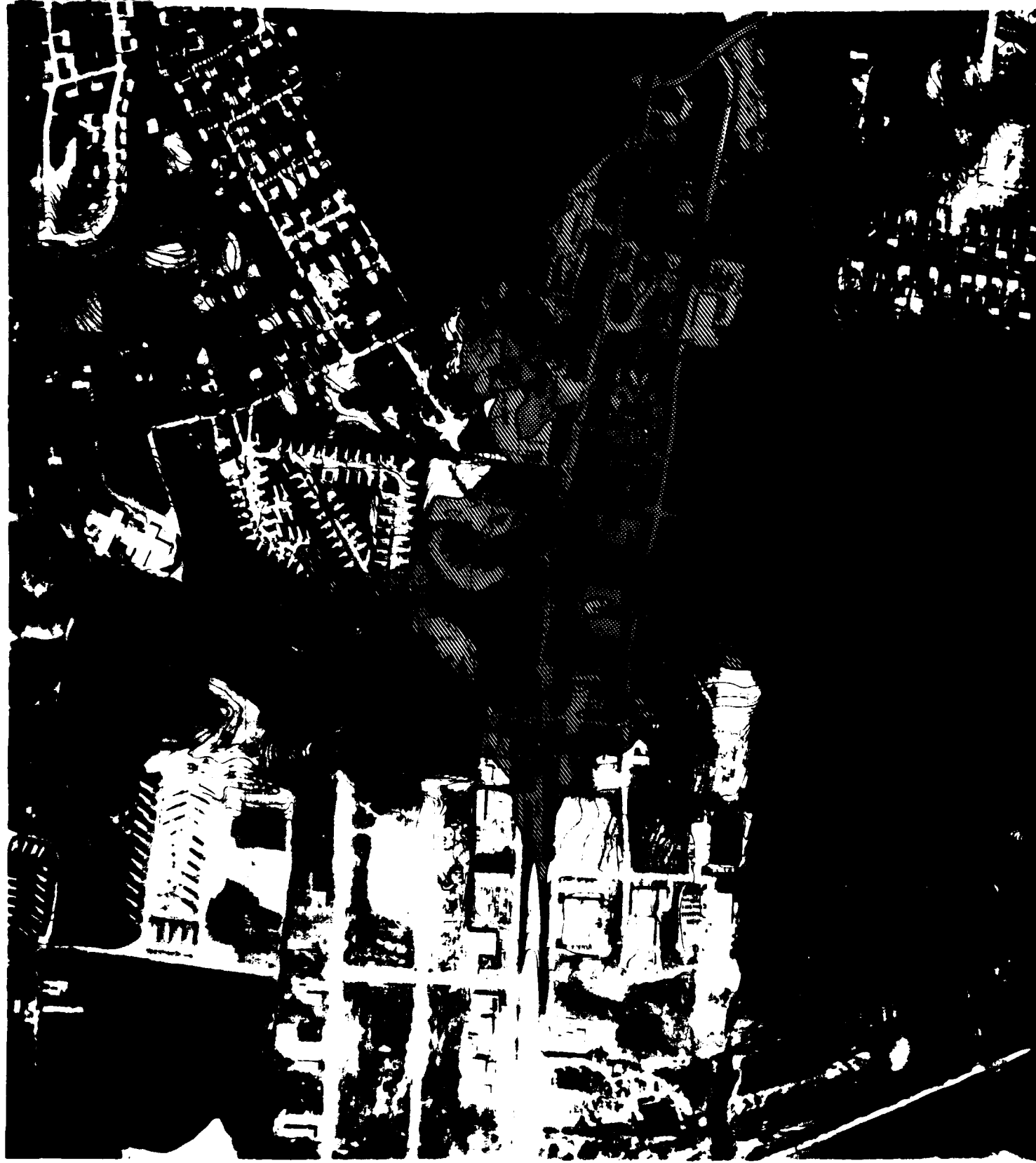
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS

**FUTURE W/RECOMMENDED PLAN**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-78

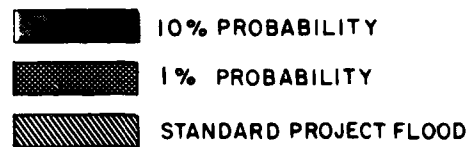
CORPS OF ENGINEERS



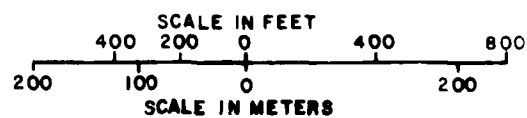
U.S. ARMY



**LEGEND**



10M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS

FUTURE W/RECOMMENDED PLAN

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.




PLATE D-79

2

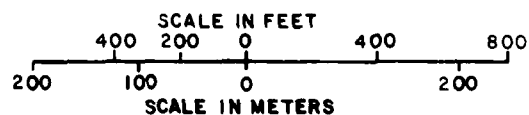




**LEGEND**

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE

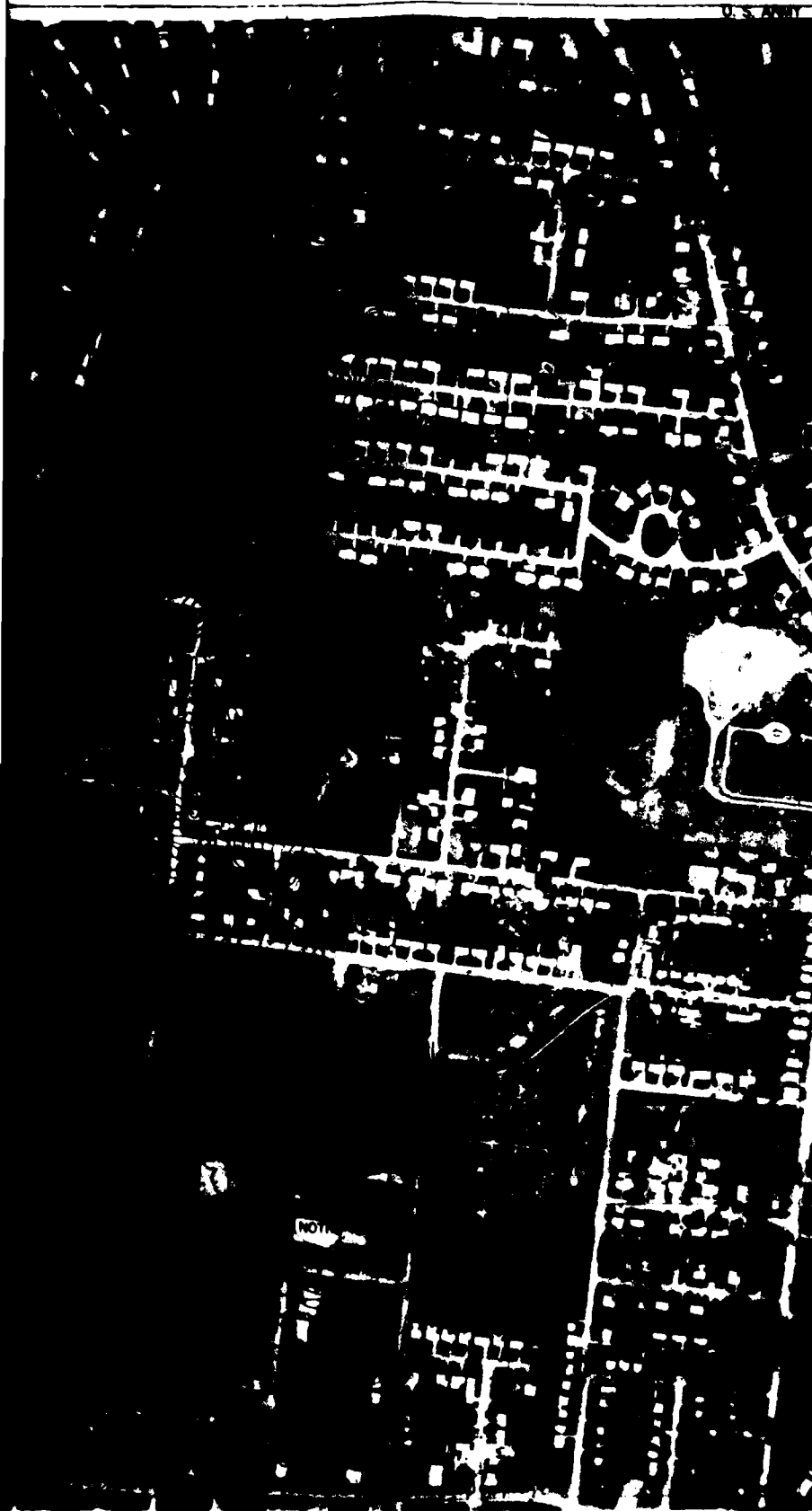


CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
WALKER BRANCH  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



CORPS OF ENGINEERS






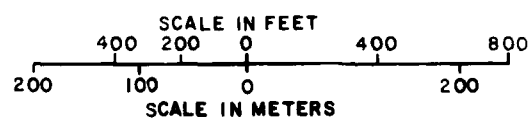


N.



LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
WALKER BRANCH  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

CORPS OF ENGINEERS





N.



**LEGEND**



10% PROBABILITY

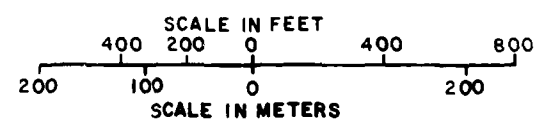


1% PROBABILITY



STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
WALKER BRANCH  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

CORPS OF ENGINEERS





N.



# LEGEND



10% PROBABILITY

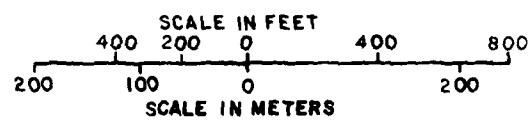


1% PROBABILITY



STANDARD PROJECT FLOOD

10 M MILE



CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.






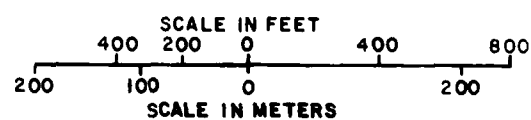


U.S. ARMY



### LEGEND

-  10% PROBABILITY
  -  1% PROBABILITY
  -  STANDARD PROJECT FLOOD
- 10M      MILE



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

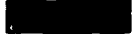




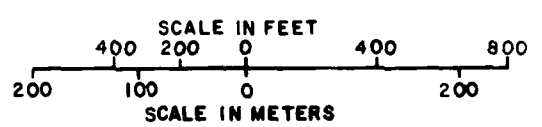
CORPS OF ENGINEERS





**LEGEND**

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD
- 10 M MILE



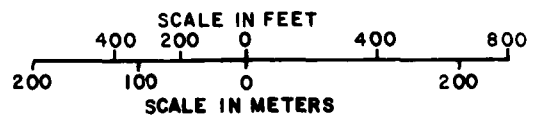
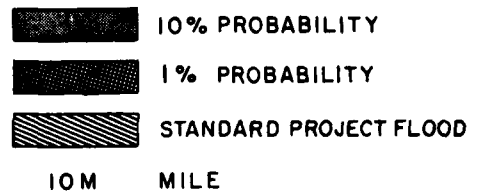
CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



U. S. ARMY



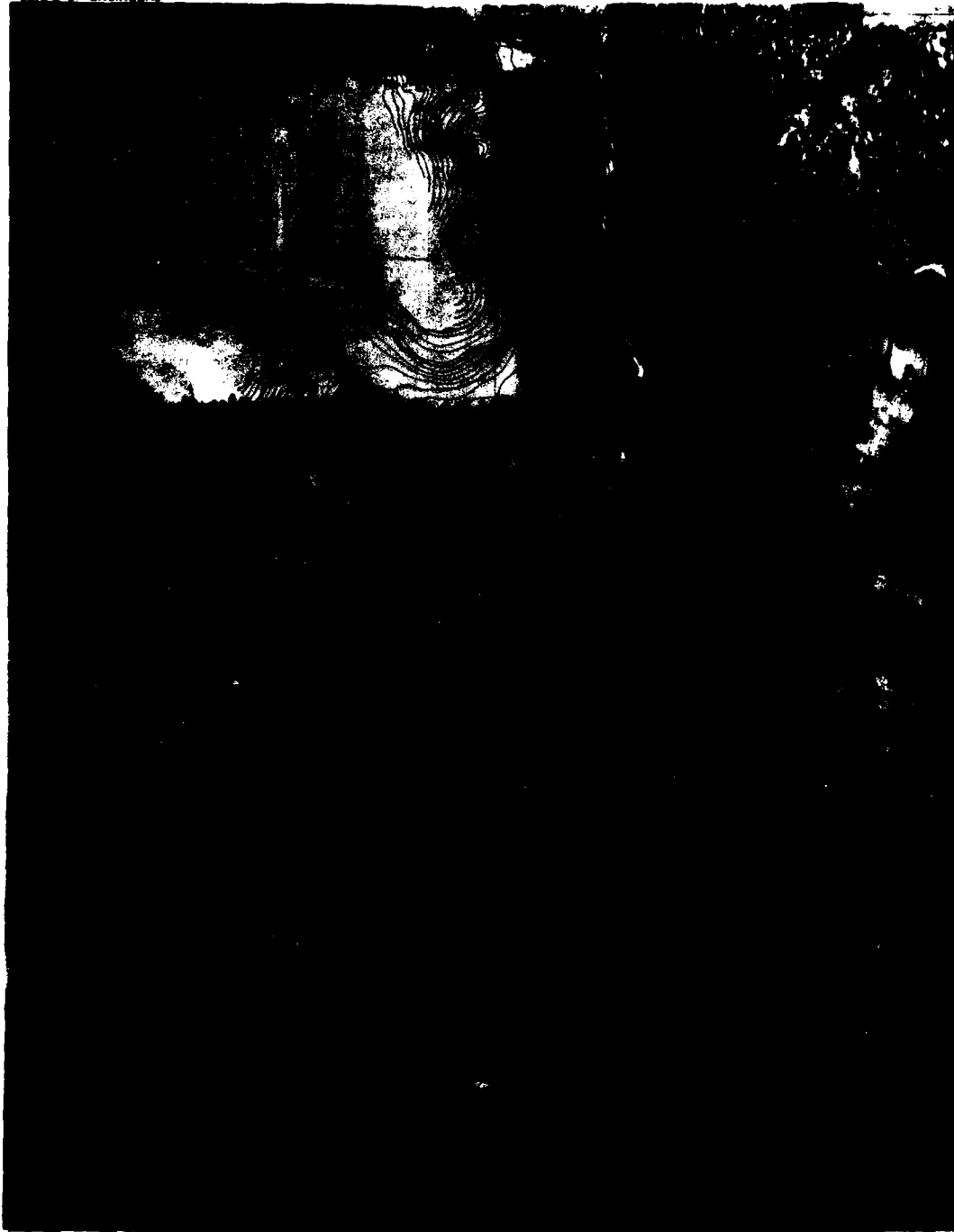
**LEGEND**



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
CAPE LA CROIX CREEK  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.




OFFICE OF ENGINEERS



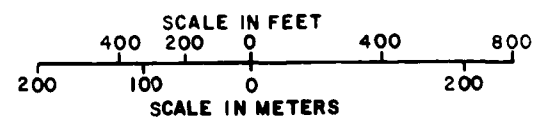
U. S. ARMY



**LEGEND**

-  10% PROBABILITY
-  1% PROBABILITY
-  STANDARD PROJECT FLOOD

10M MILE



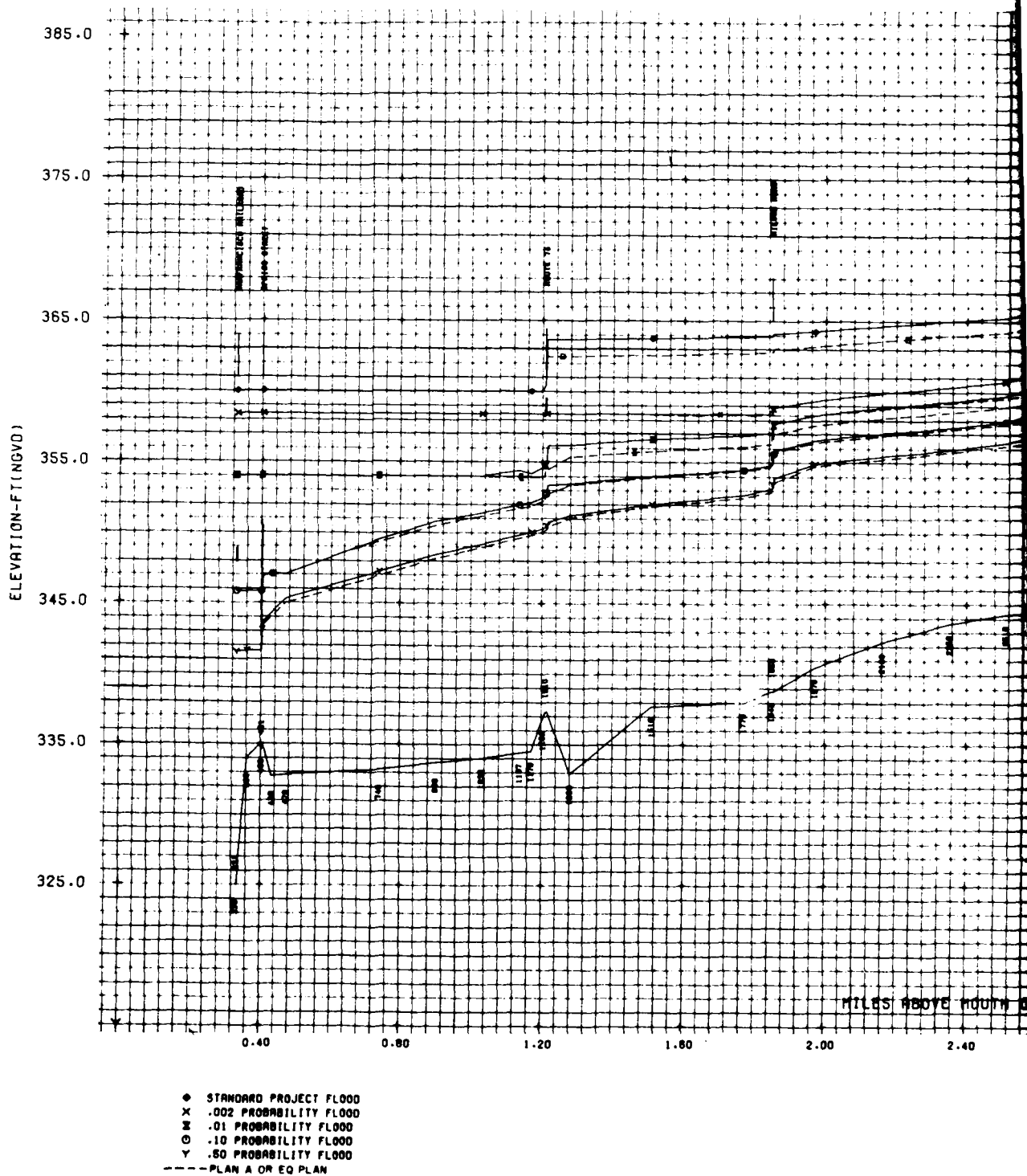
CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

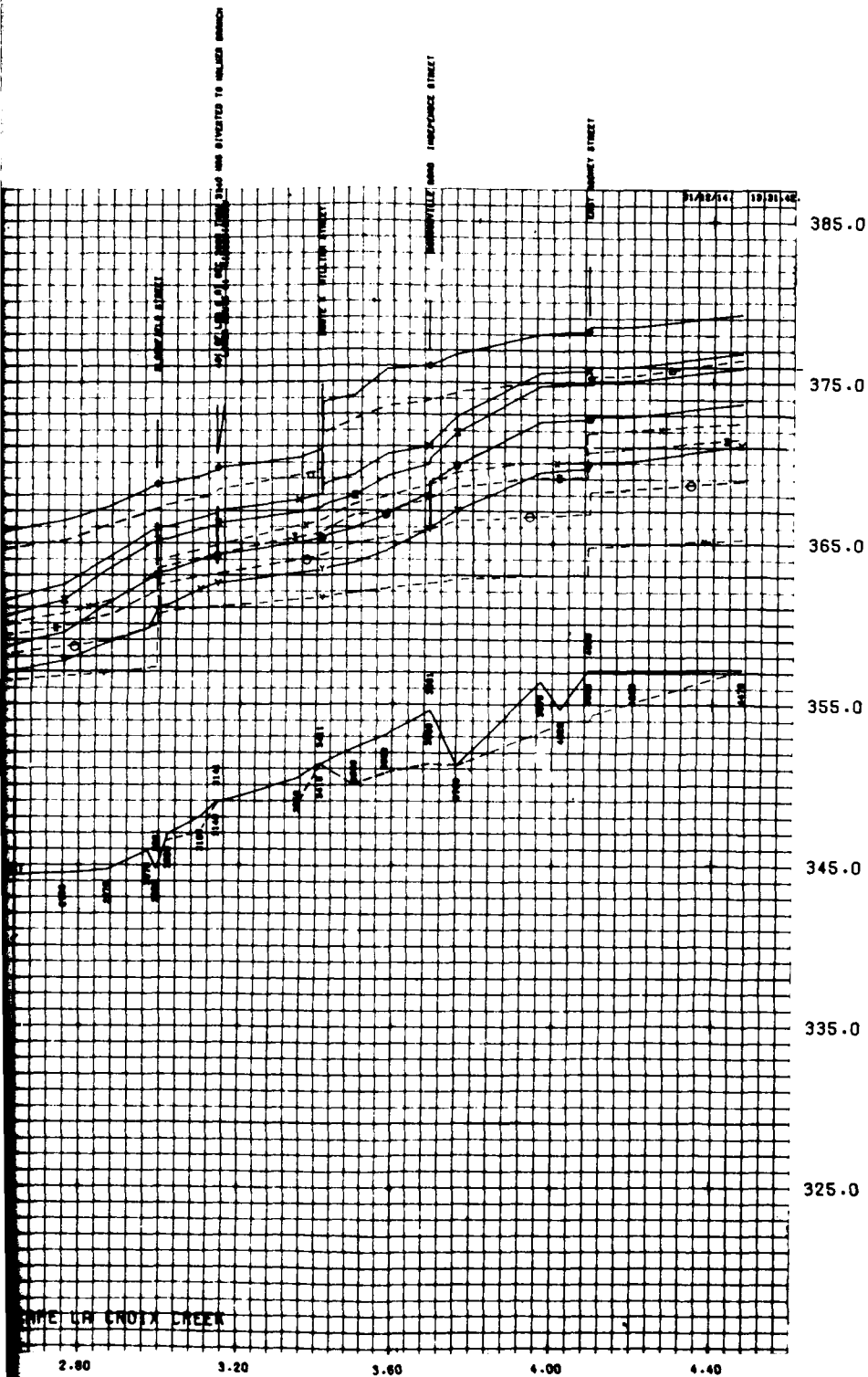
**CAPE LA CROIX CREEK  
FLOODED AREAS  
FUTURE W/RECOMMENDED PLAN**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE D-87

2

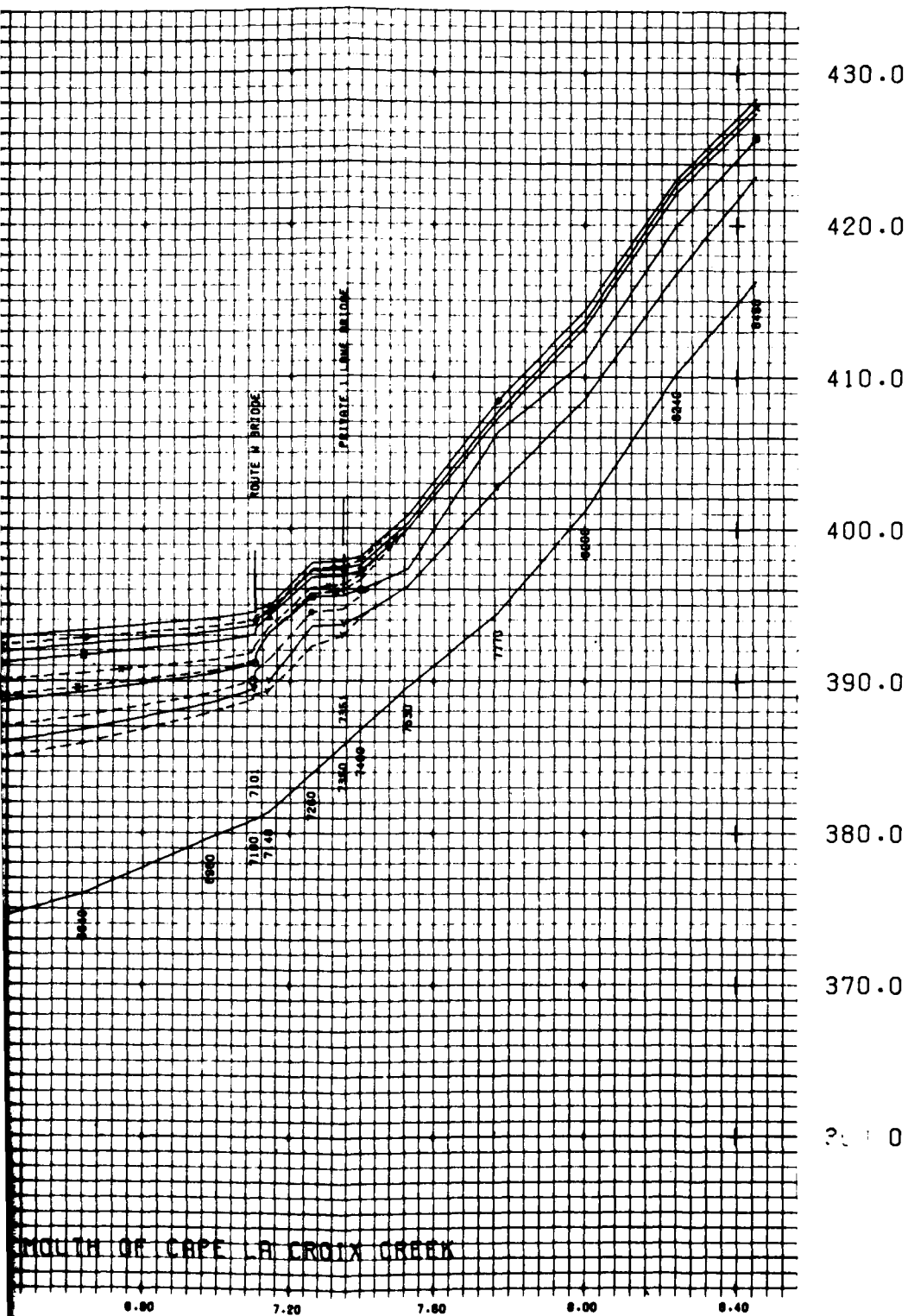




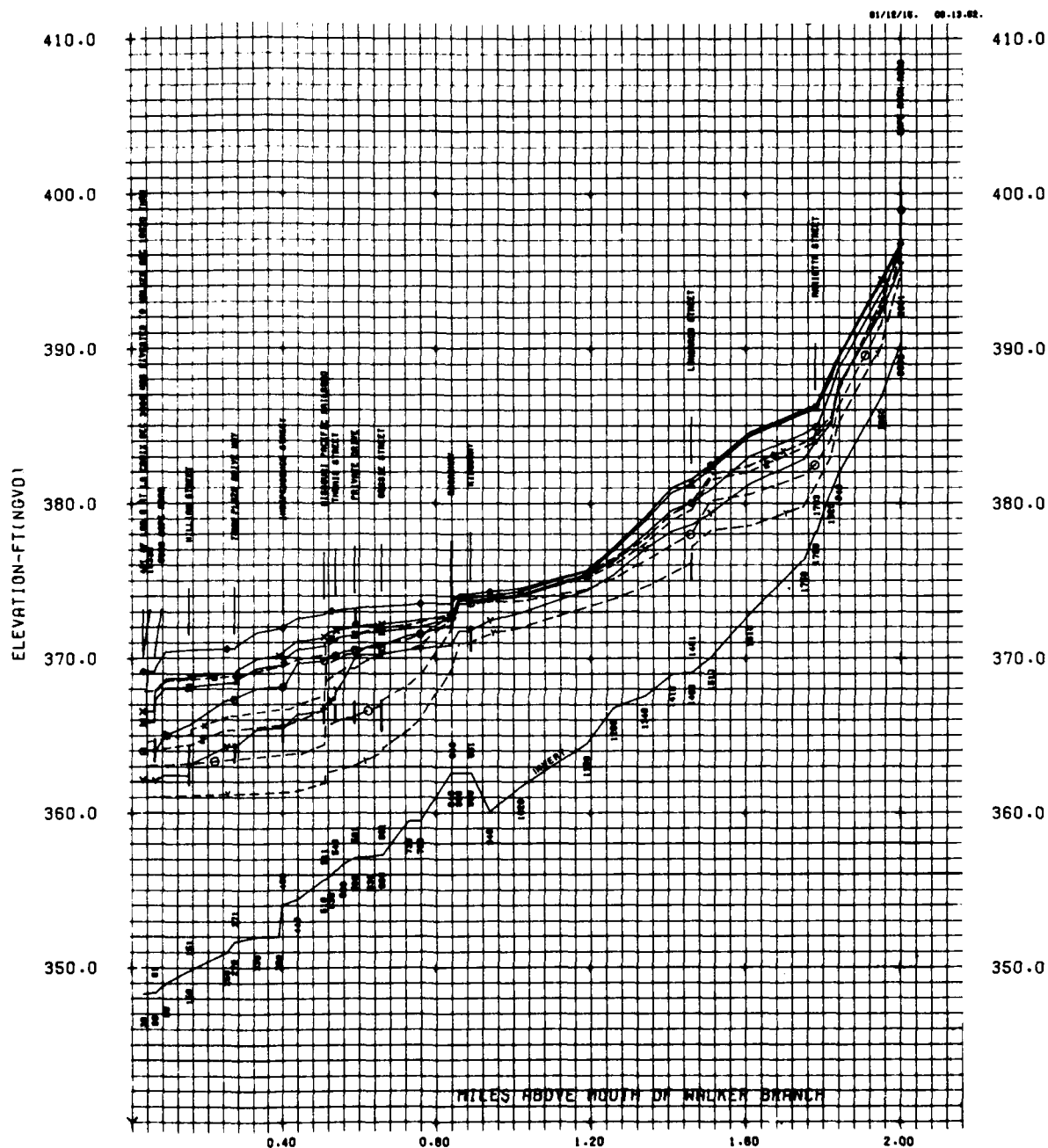
CAPE GRANDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12083  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
FUTURE W/O PROJECT VS  
FUTURE W/PLAN A OR EQ PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.





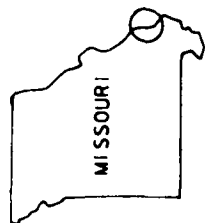


CAPE GRADDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12083  
**WATER SURFACE PROFILES**  
**CAPE LA CROIX CREEK**  
FUTURE W/O PROJECT VS  
FUTURE W/PLAN A OR EQ PLAN  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

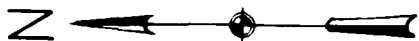


◆ STANDARD PROJECT FLOOD  
 × .002 PROBABILITY FLOOD  
 \* .01 PROBABILITY FLOOD  
 ○ .10 PROBABILITY FLOOD  
 △ .50 PROBABILITY FLOOD  
 --- PLAN A OR EQ PLAN

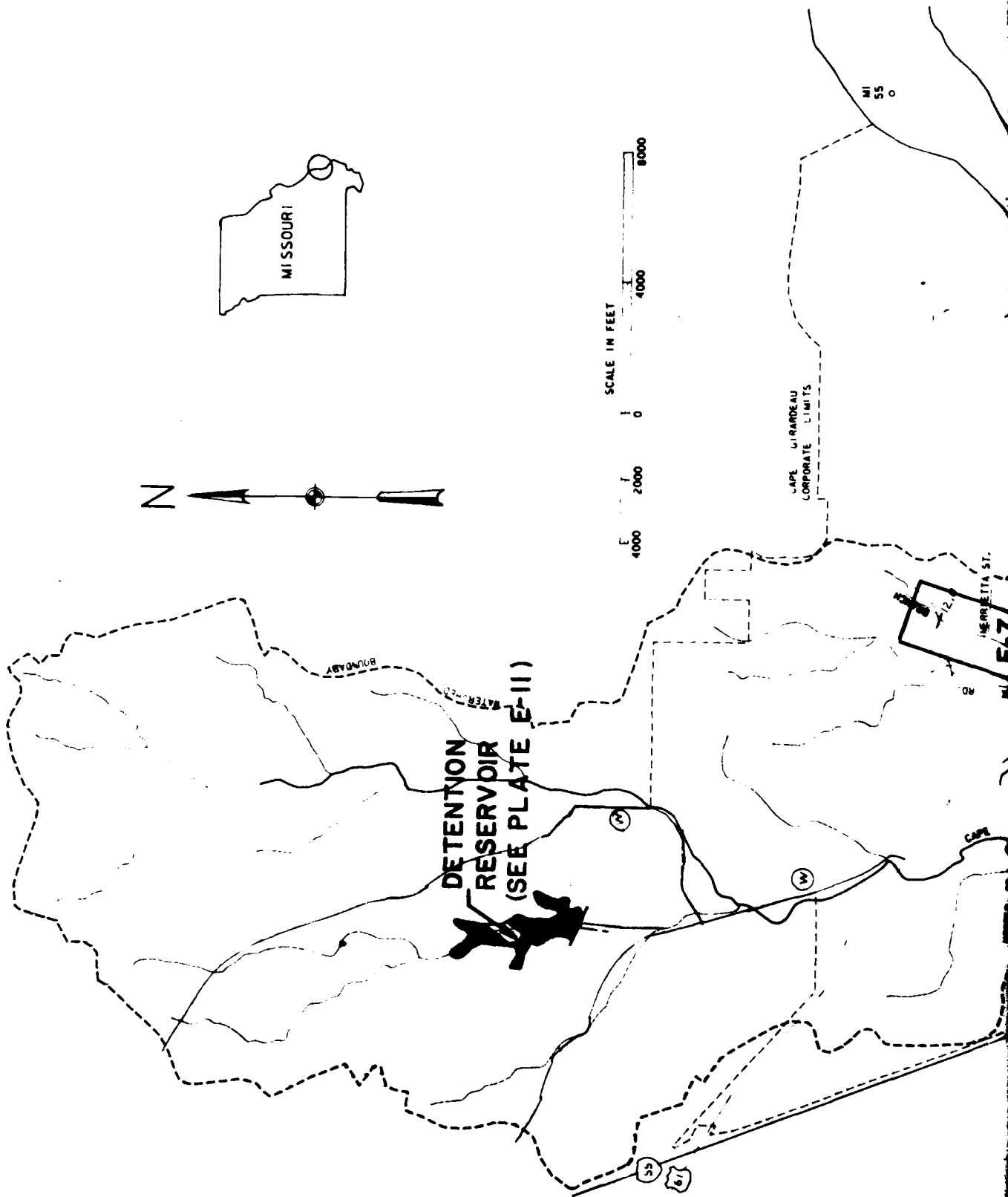
CAPE GIRARDEAU-JACKSON  
 METROPOLITAN AREA  
 MISSOURI 12033  
**WATER SURFACE PROFILES**  
**WALKER BRANCH**  
 FUTURE W/O PROJECT VS  
 FUTURE W/PLAN A OR EQ PLAN  
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
 CORPS OF ENGINEERS  
 ST. LOUIS, MO.



MISSOURI



SCALE IN FEET



DETENTION  
RESERVOIR  
(SEE PLATE E-II)

MI 55

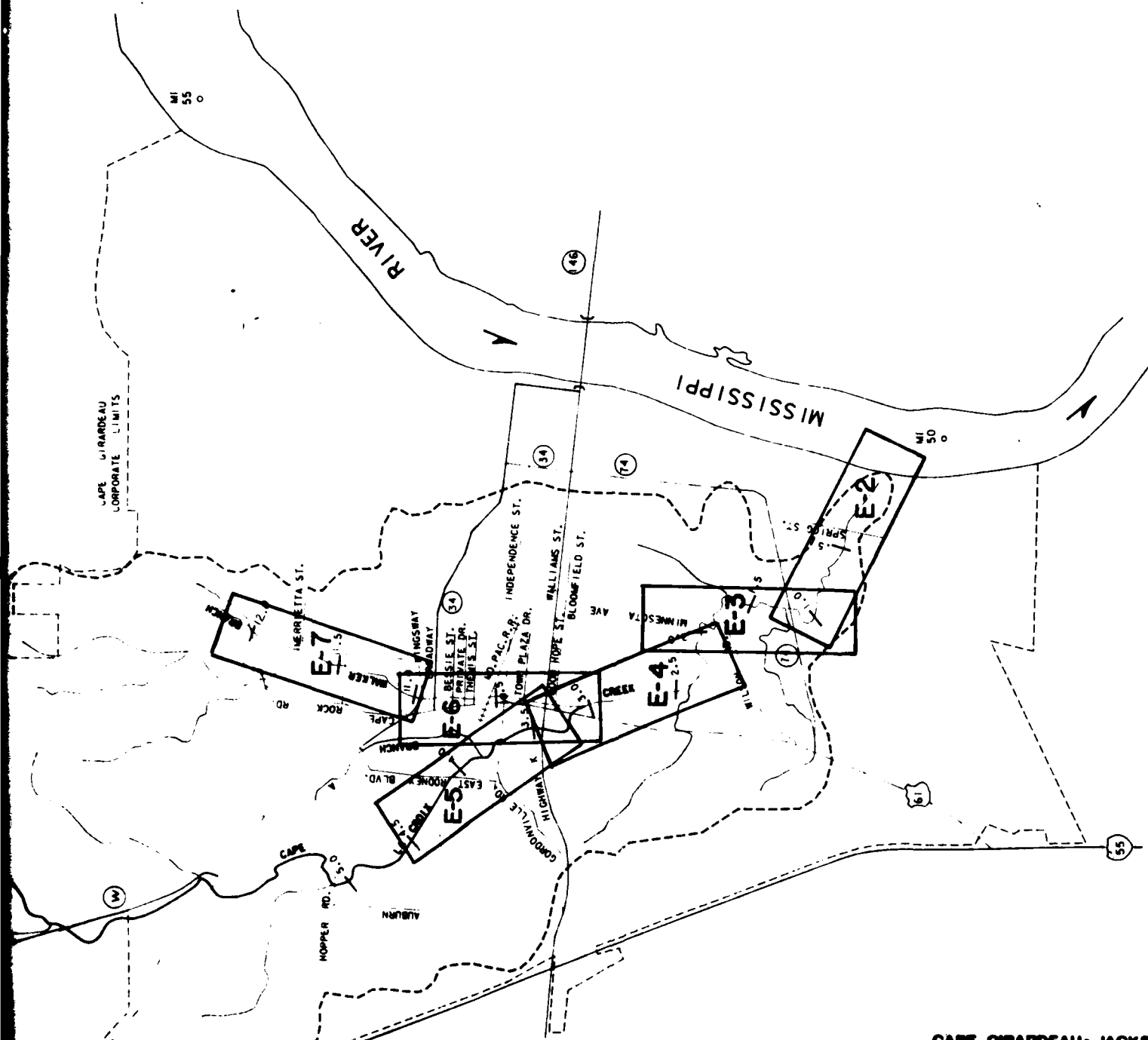
CAPE GIRARDEAU  
CORPORATE LIMITS

HERMETTA ST.

RD

CAPE

59



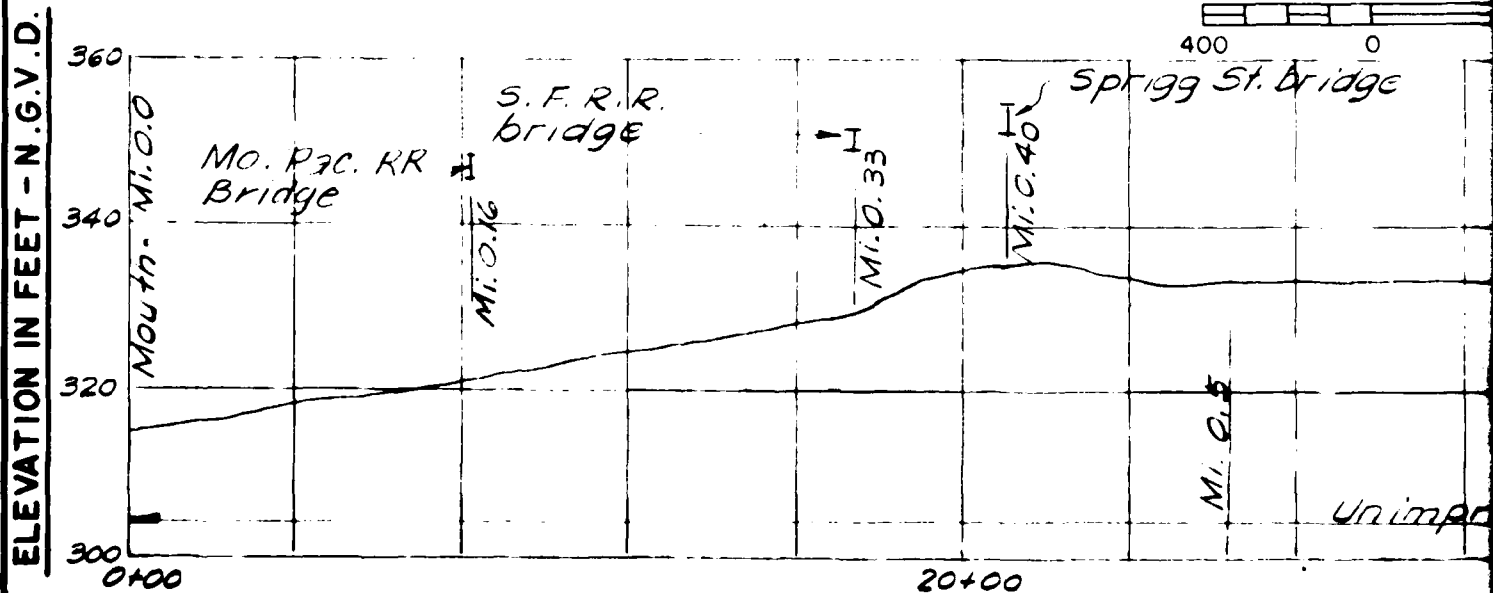
CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12063  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
LAYOUT OF PLATES

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



PLA

SCALE IN



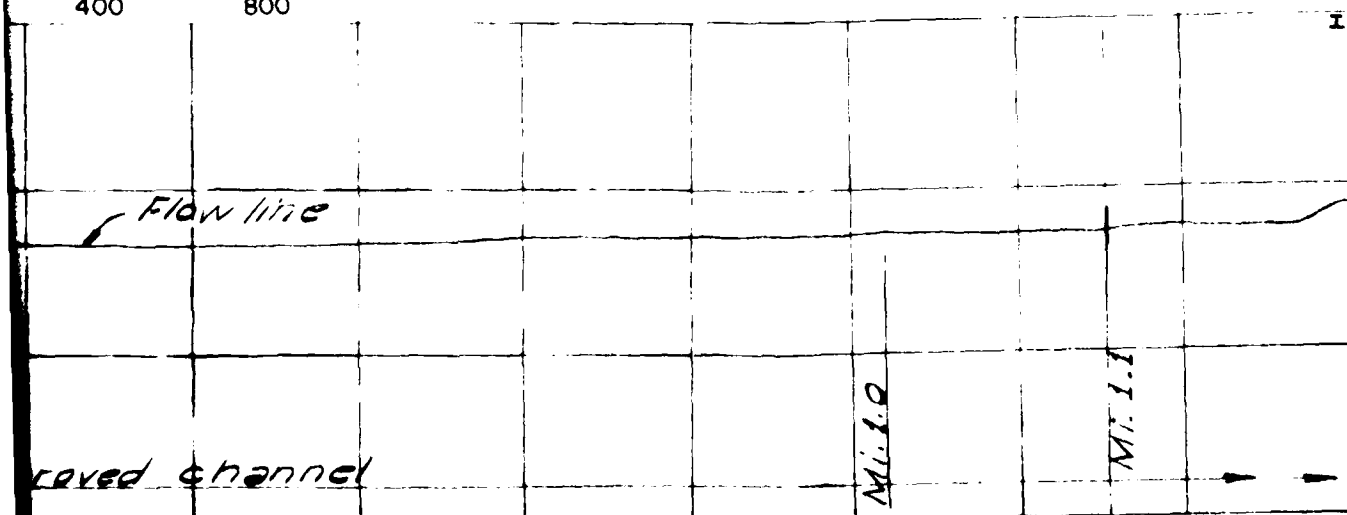
PROF



AN

IN FEET

400 800



40+00

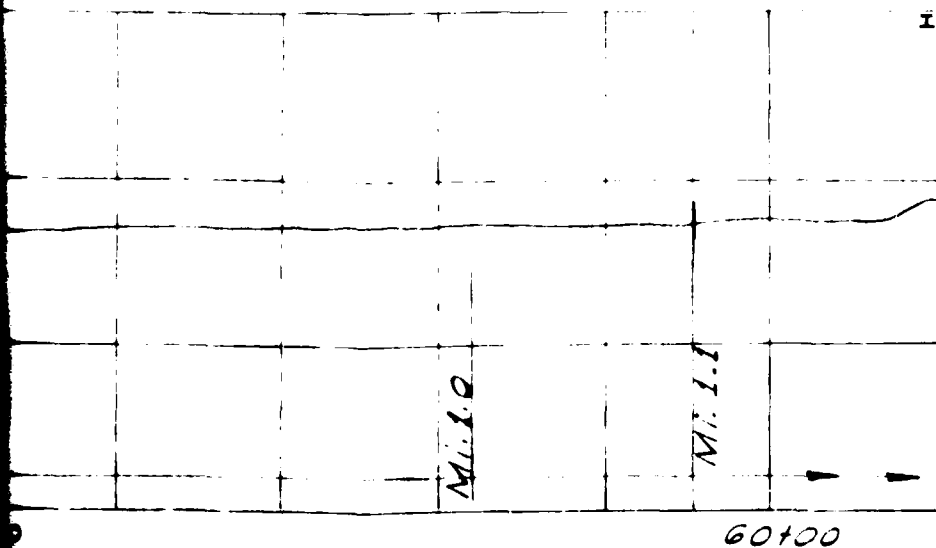
60+00

CAPE GIRARDEAU-  
METROPOLITAN  
MISSOURI IS  
RECOMMENDED  
FLOOD CONTROL C  
CAPE LA CROI  
PLAN AND P  
U.S. ARMY ENGINEER DIST  
CORPS OF ENG  
ST. LOUIS

FILE

PLA

2



CAPE GIRANDEAU - JACKSON  
 METROPOLITAN AREA  
 MISSOURI 12053  
 RECOMMENDED PLAN  
 FLOOD CONTROL COMPONENTS  
 CAPE LA CROIX CREEK  
 PLAN AND PROFILE  
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
 CORPS OF ENGINEERS  
 ST. LOUIS, MO.

PLATE E-2

2

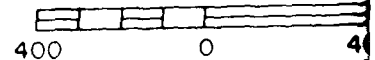
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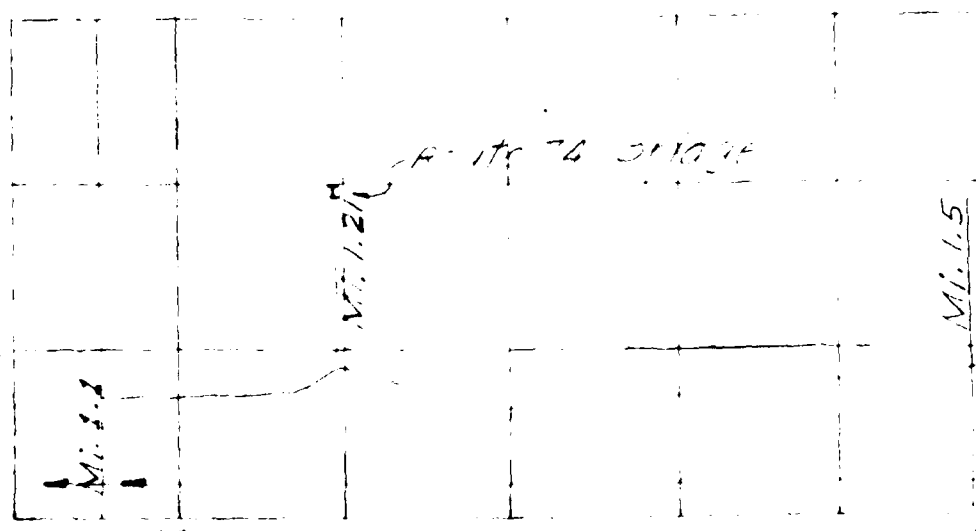
**PLAN**

SCALE IN FEET



ELEVATION IN FEET - N.G.V.D.

380  
360  
340  
320



Mi. 1.5

Flow line

**PROFI**



PLAN

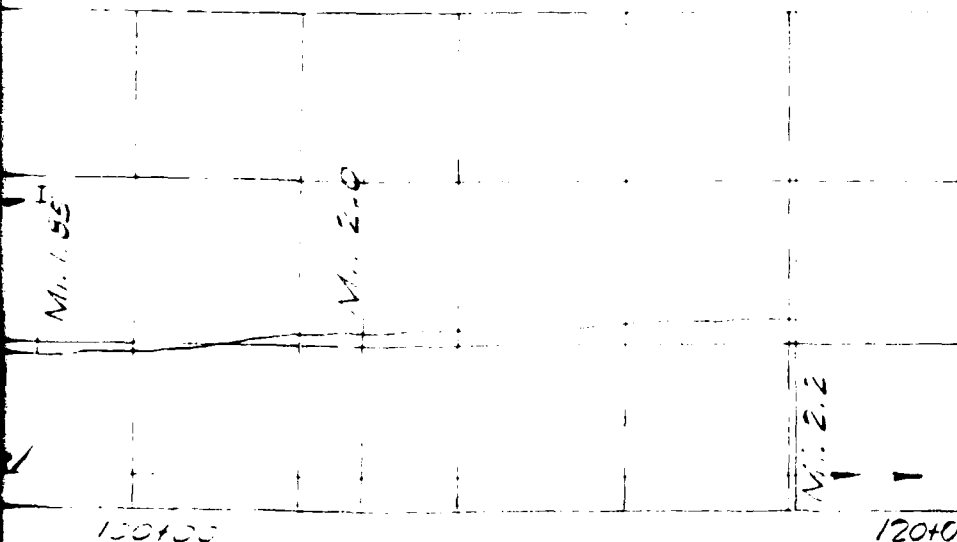
SCALE 1:1000

PROFILE

CAPE  
ME  
RECO  
FLOOD CO  
CAPE L  
PLAN

120170

U.S. ARMY



CAPE GIRARDEAU JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
CAPE LA CROIX CREEK  
PLAN AND PROFILE  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

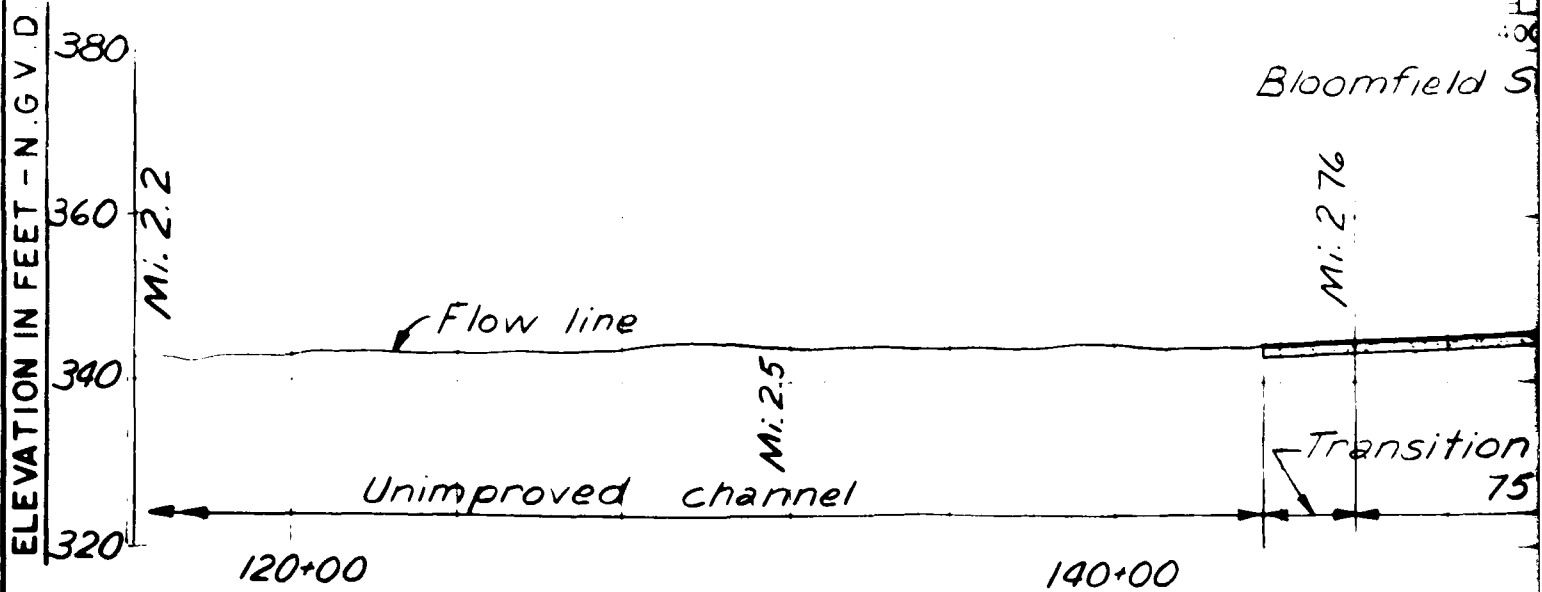
PLATE E-3

3



PLAN

Bloomfield S



PROFIL



# LEGEND

## PLAN

CONCRETE  
CHANNEL  
EARTH  
CHANNEL  
RIPRAPPED  
CHANNEL

## PROFILE

CONCRETE  
CHANNEL  
EARTH  
CHANNEL  
RIPRAPPED  
CHANNEL

AN

Field St. bridge

Route 61 bridge

Mi. 2.99

Mi. 3.14

Mi. 3.3

ition

75' wide concrete

channel

Transition

40' wide riprapped  
channel

160+00

180+00

CAPE GIRARDEAU - W  
METROPOLITAN A  
MISSOURI 1201  
RECOMMENDED  
FLOOD CONTROL CO  
CAPE LA CROIX  
PLAN AND PR  
U.S. ARMY ENGINEER DIST  
CORPS OF ENGR  
ST. LOUIS 6

FILE

PLAT



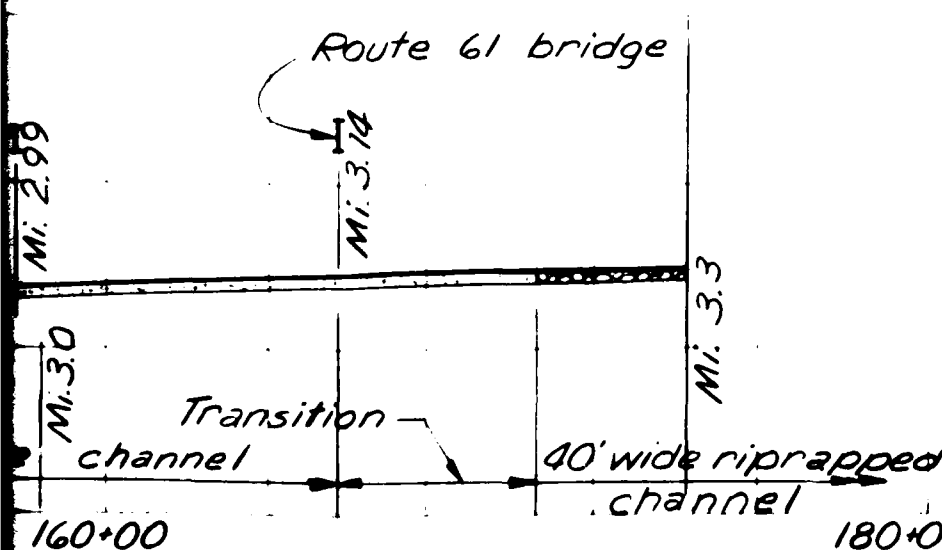
# LEGEND

## PLAN

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	

## PROFILE

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	



CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
CAPE LA CROIX CREEK  
PLAN AND PROFILE  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS MO.

PLATE E-4

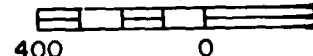
2

3

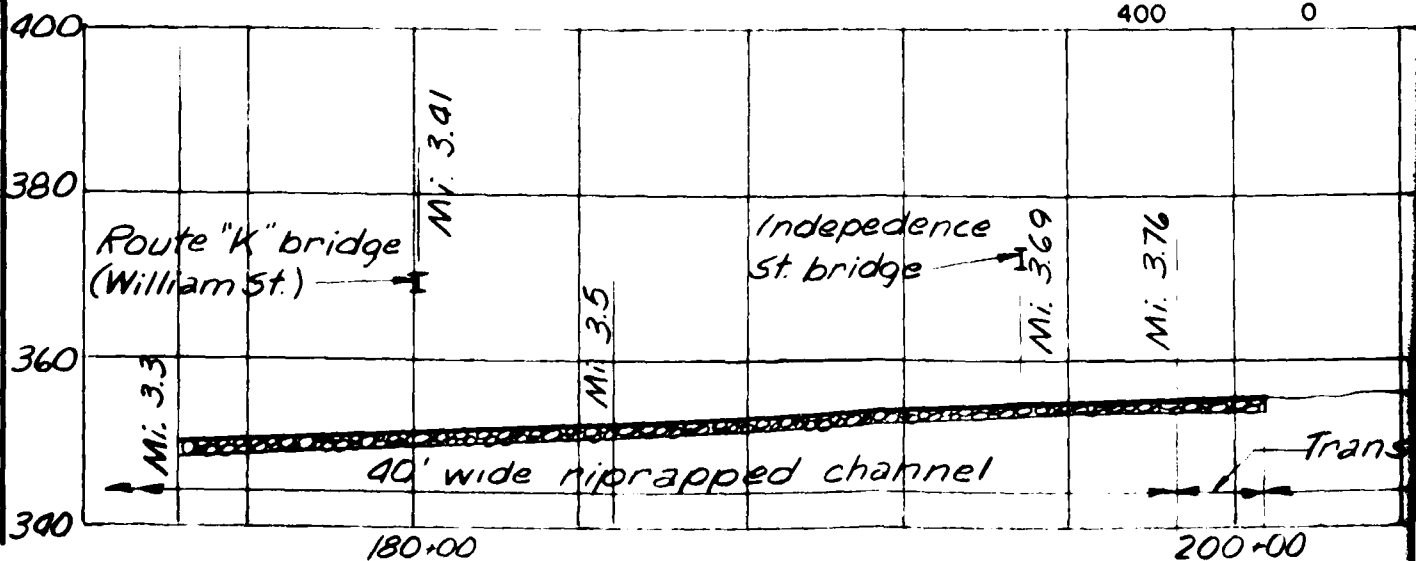


PLA

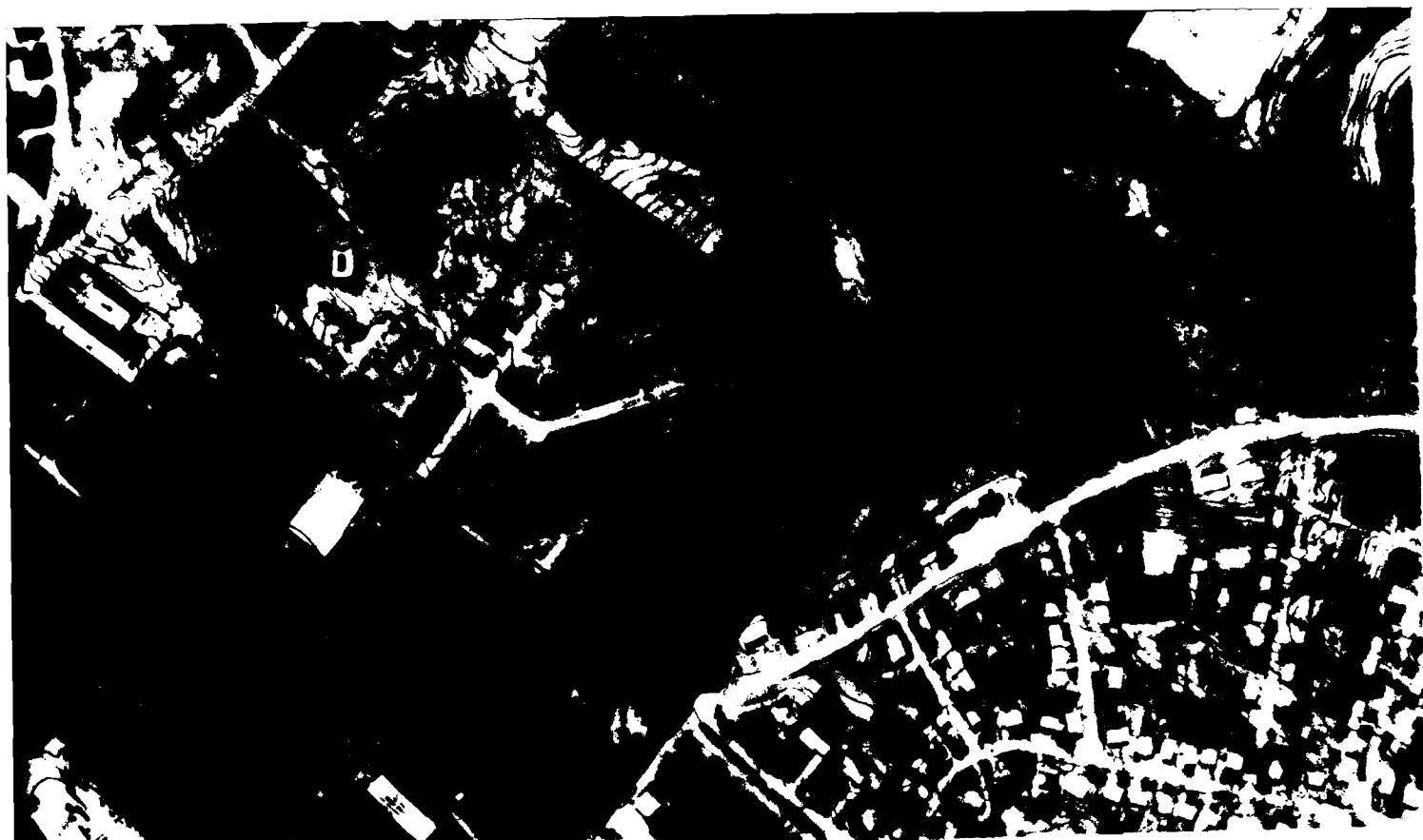
SCALE IN



ELEVATION IN FEET - N.G.V.D.



PRO



PLAN

CONCE  
CHAN

EART  
CHAN

RIPRA  
CHAN

PROF

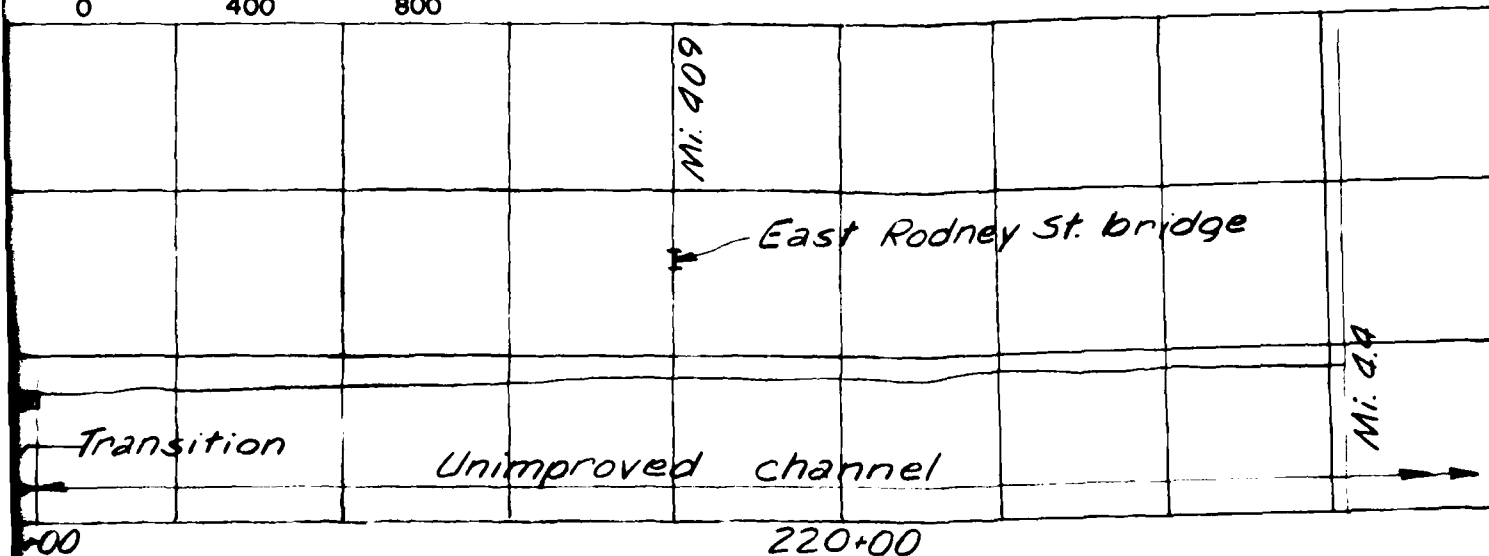
CONCE  
CHAN

EART  
CHAN

RIPRA  
CHAN

# PLAN

SCALE IN FEET



CAPE

RE

FLOOD

CAPE

PLA

US AR

# PROFILE

2.






# LEGEND

## PLAN

CONCRETE CHANNEL 

EARTH CHANNEL 

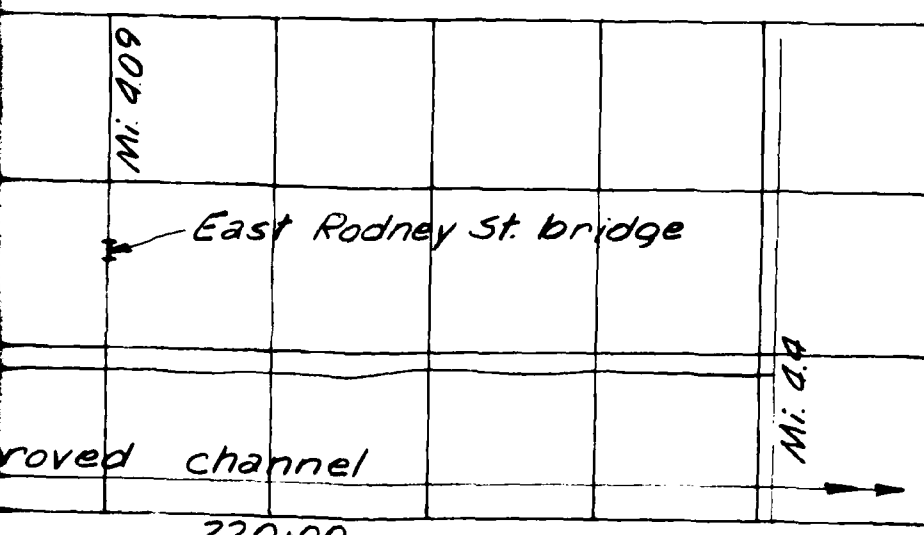
RIPRAPPED CHANNEL 

## PROFILE

CONCRETE CHANNEL 

EARTH CHANNEL 

RIPRAPPED CHANNEL 

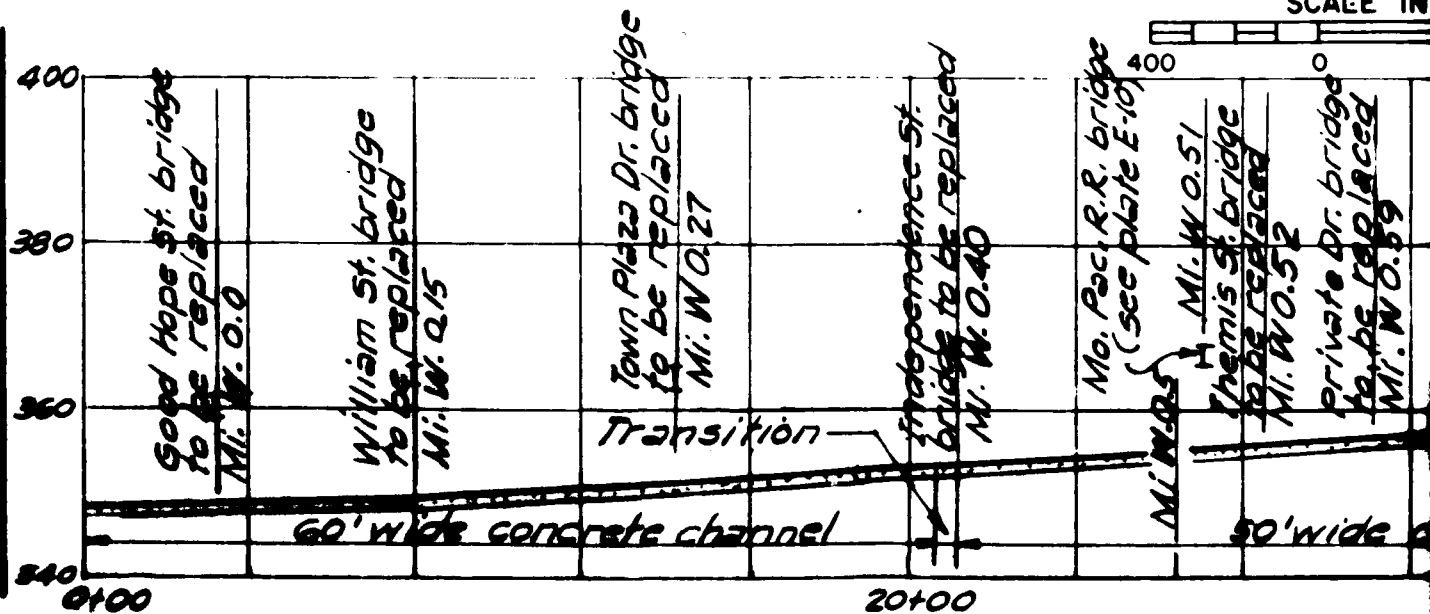


CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
CAPE LA CROIX CREEK  
PLAN AND PROFILE  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS MO.

PLATE E-5

3

ELEVATION IN FEET - N.G.V.D.



SCALE IN

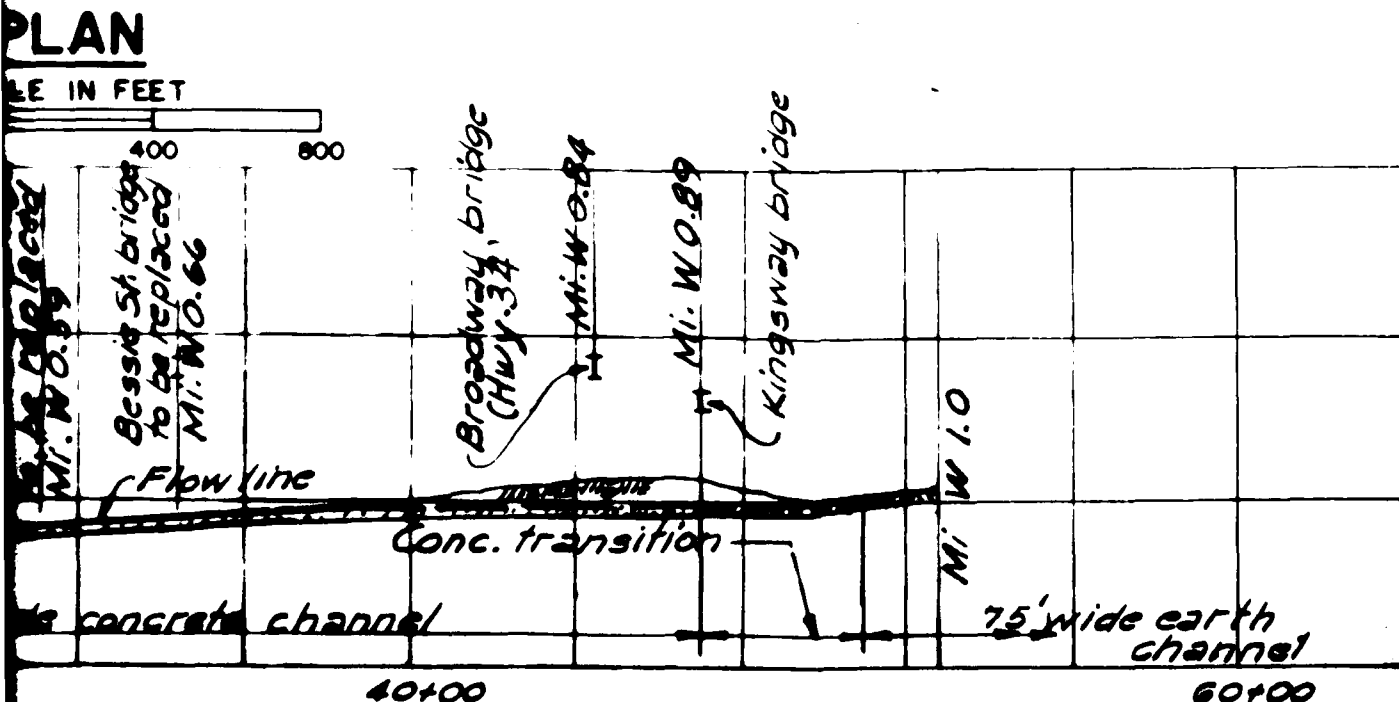
PLA

PRO





- LEG**
- PLAN**
- CONCRETE CHANNEL
  - EARTH CHANNEL
  - RIPRAPPED CHANNEL
- PROFILE**
- CONCRETE CHANNEL
  - EARTH CHANNEL
  - RIPRAPPE CHANNEL



CAPE GIRARD  
METROPOLITAN  
ENGINEERS  
REGISTERED  
FLOOD CONTROL  
ENGINEERS  
PLAN 100  
100' SCALE

**PROFILE**

2.



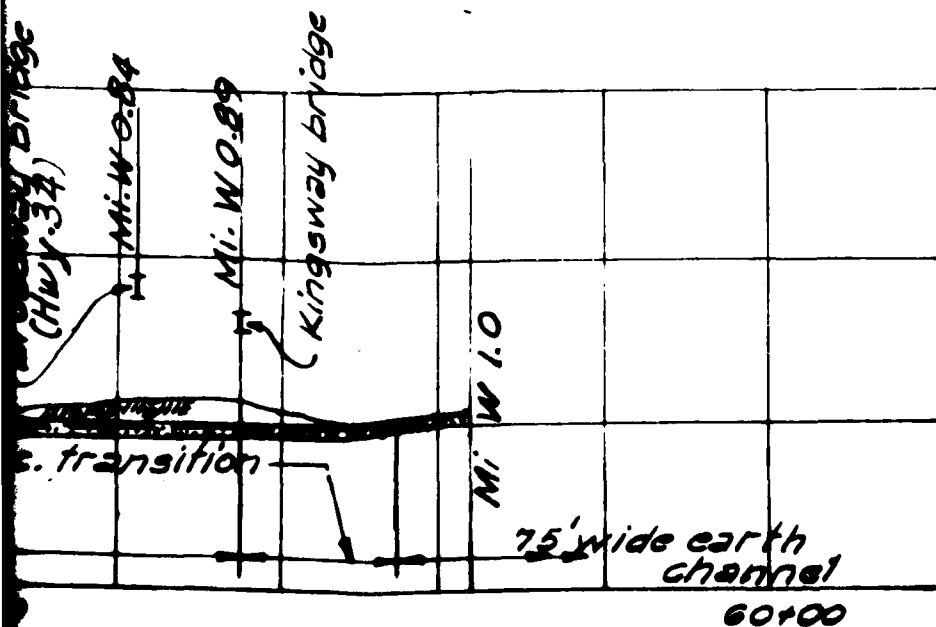
# LEGEND

## PLAN

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	

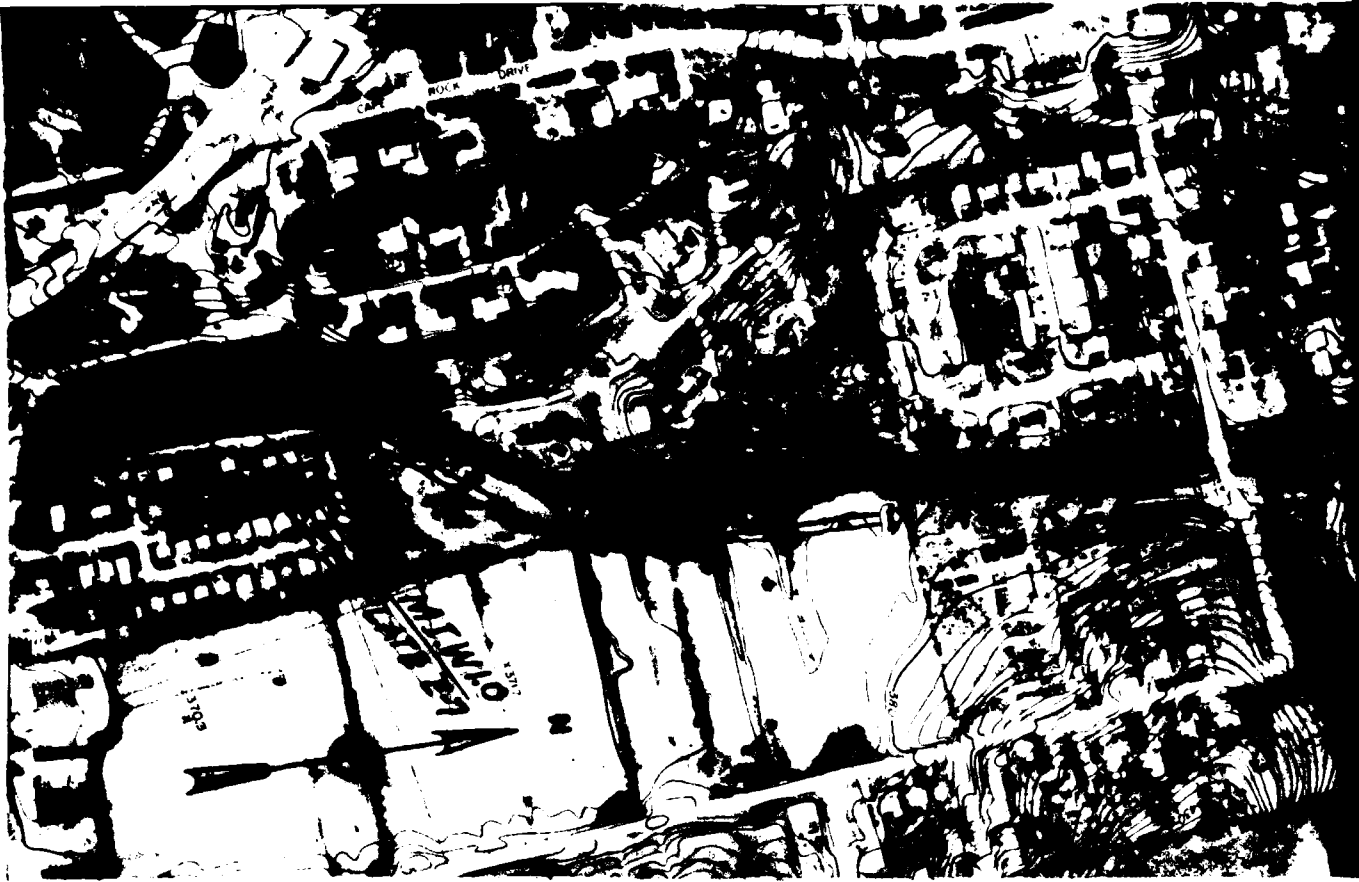
## PROFILE

CONCRETE CHANNEL	
EARTH CHANNEL	
RIPRAPPED CHANNEL	



CAPE GIRARDEAU- JACKSON  
METROPOLITAN AREA  
MISSOURI 1963  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
WALKER BRANCH  
PLAN AND PROFILE  
U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS  
OFFICE OF CHIEF OF DIVISION  
ST. LOUIS, MO.

PLATE E-8

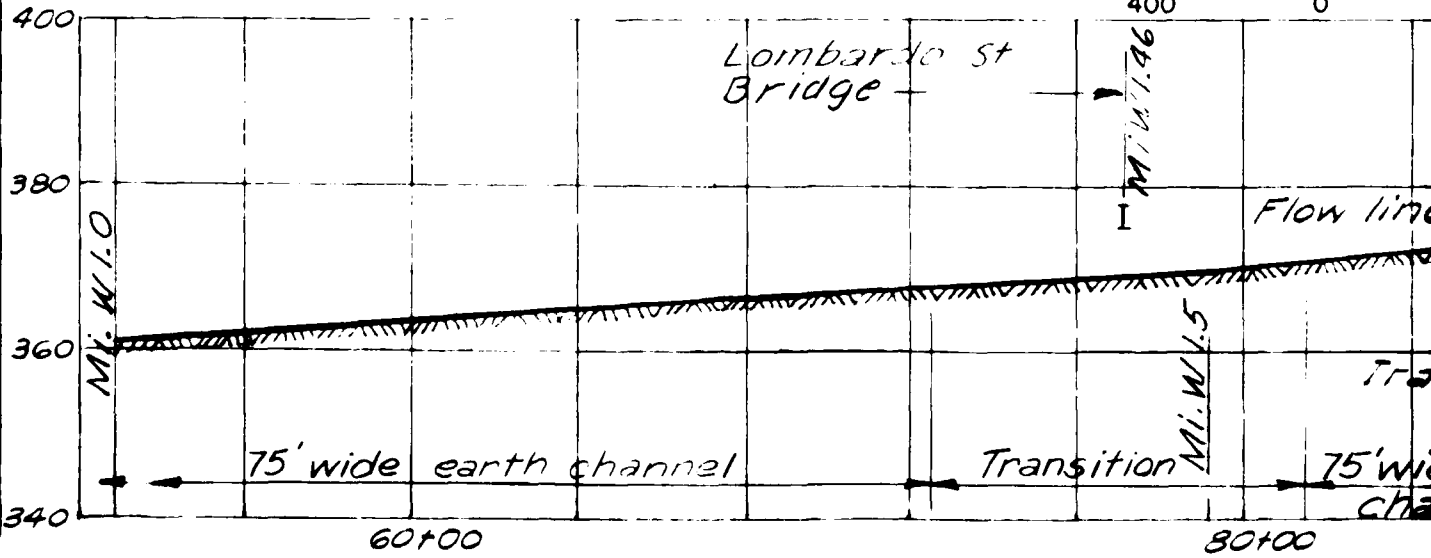


PLA

SCALE IN



ELEVATION IN FEET - N.G.V.D.

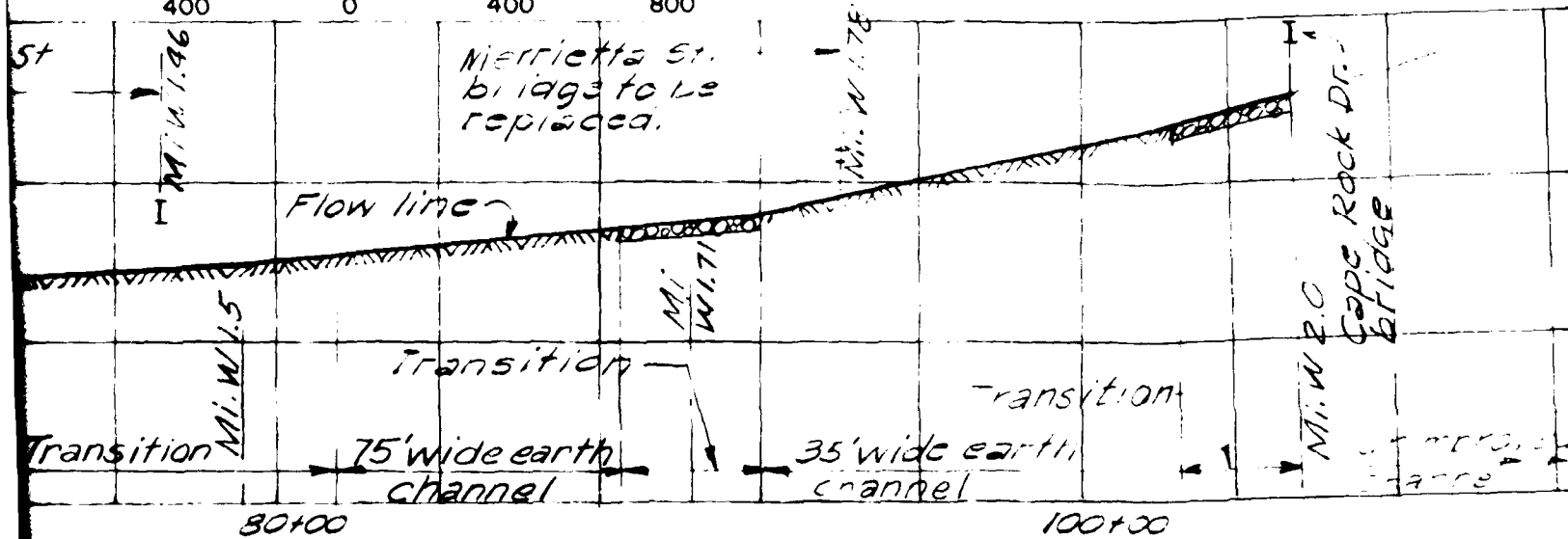
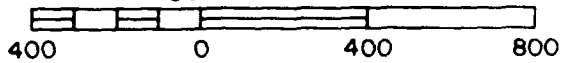


PROF



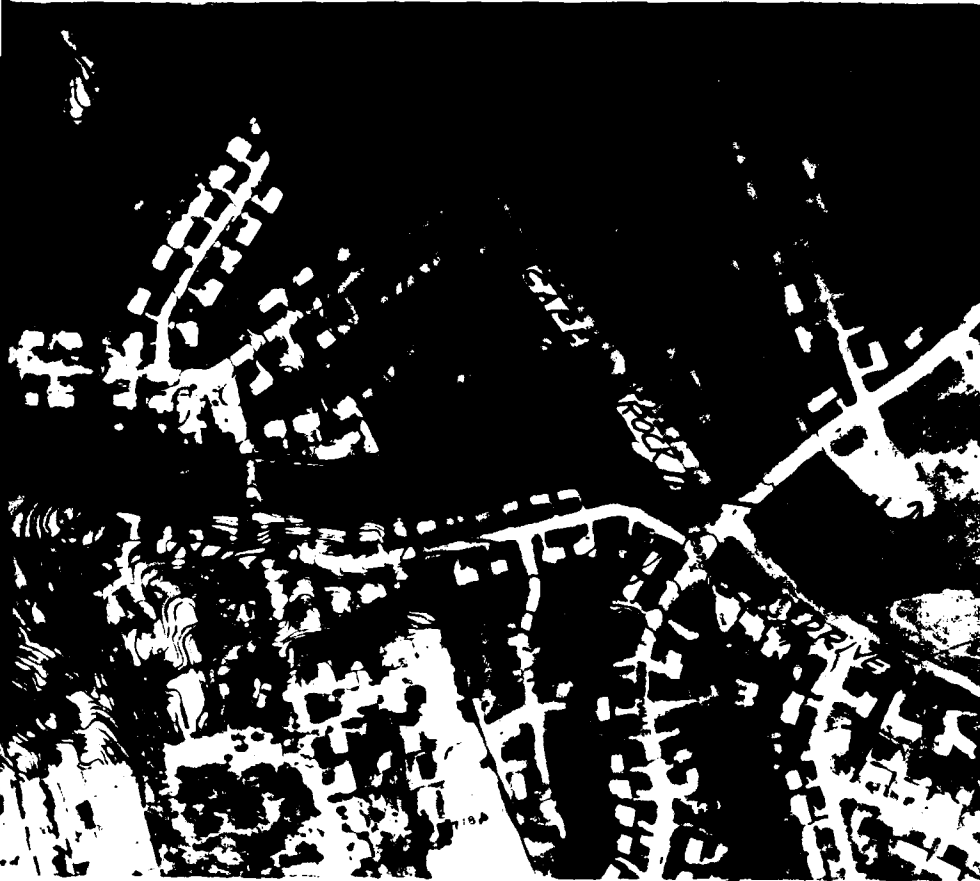
## PLAN

SCALE IN FEET



## PROFILE

2



# LEGEND

## PLAN

CONCRETE CHANNEL

EARTH CHANNEL

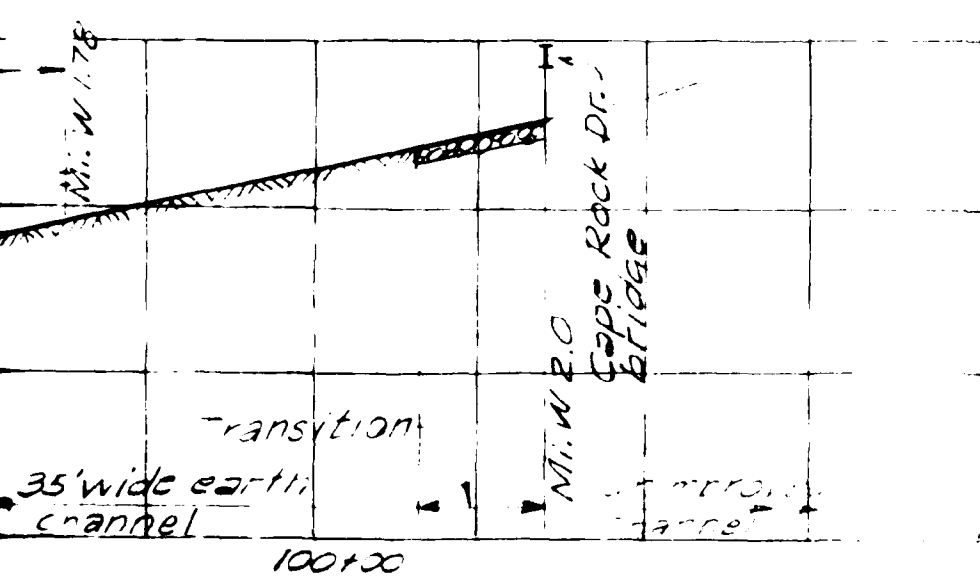
RIPRAPPED CHANNEL

## PROFILE

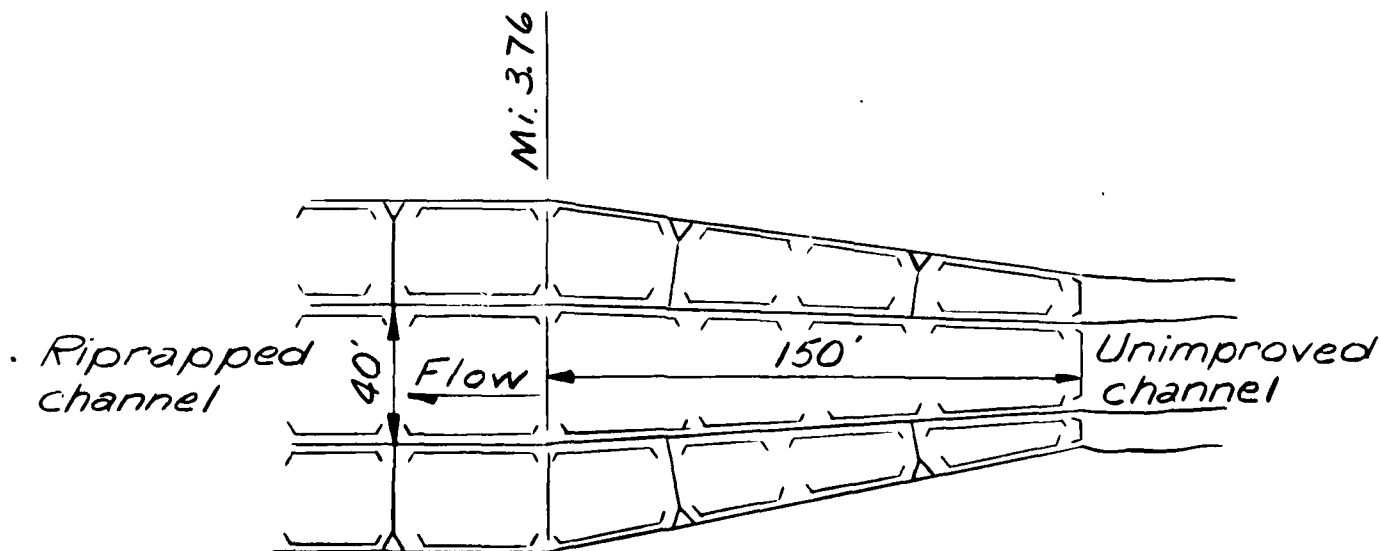
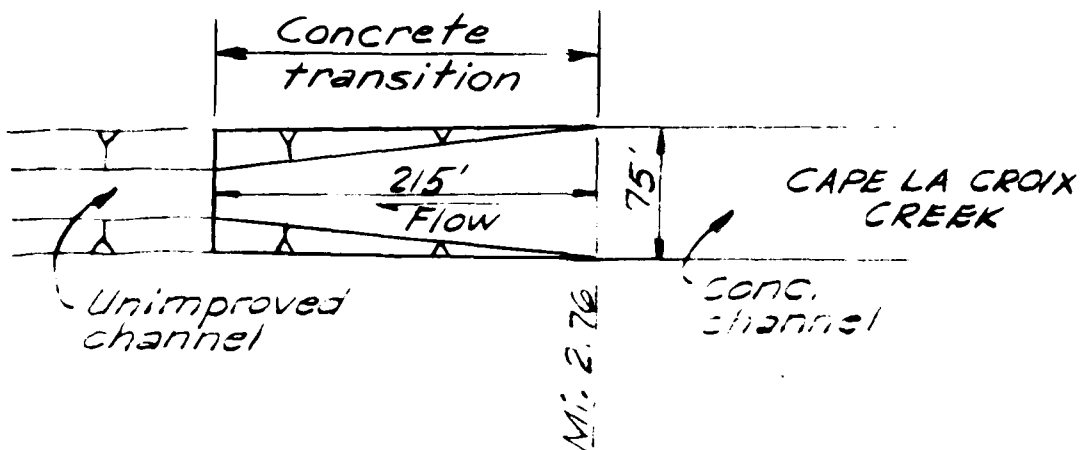
CONCRETE CHANNEL

EARTH CHANNEL

RIPRAPPED CHANNEL

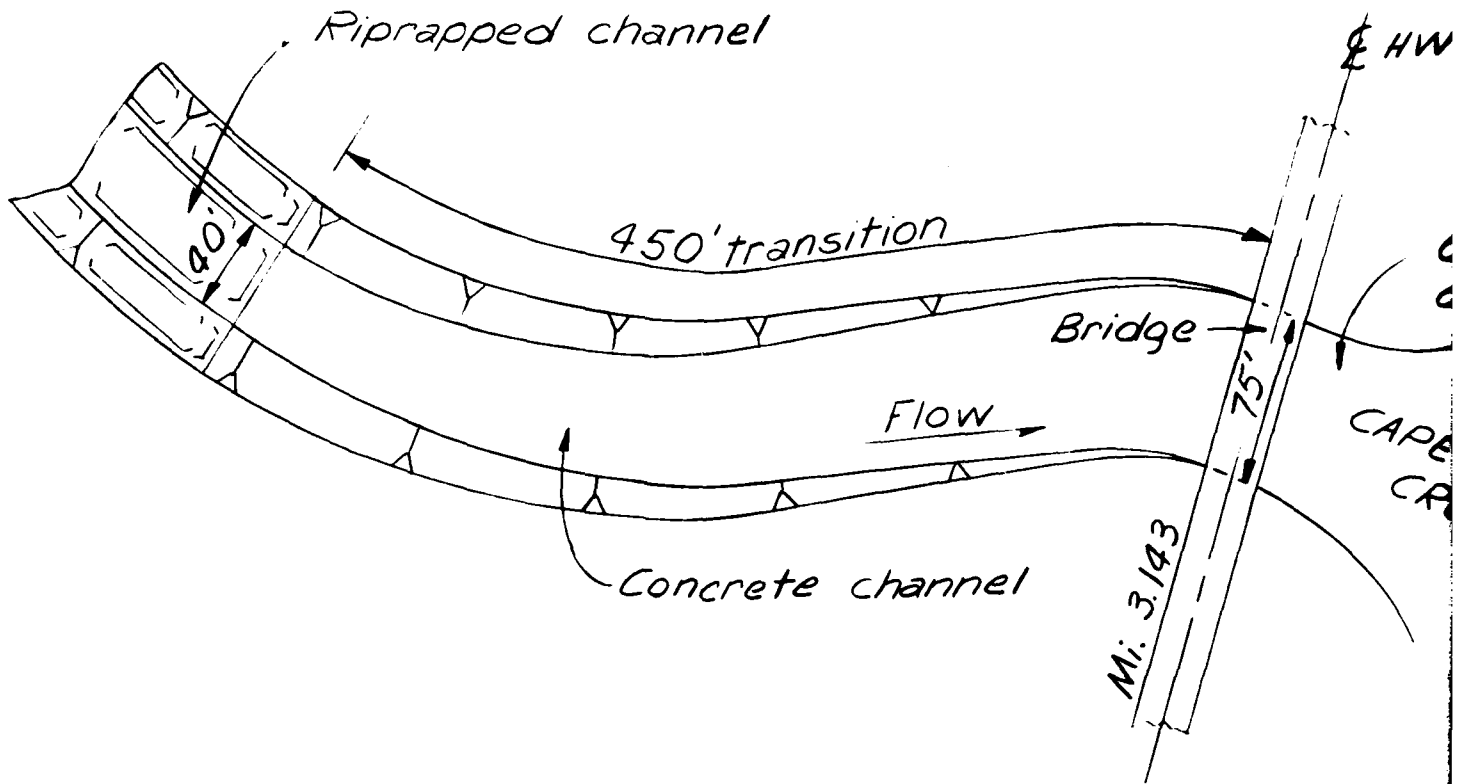


CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
WALKER BRANCH  
PLAN AND PROFILE  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



**TRANS**  
NO SC

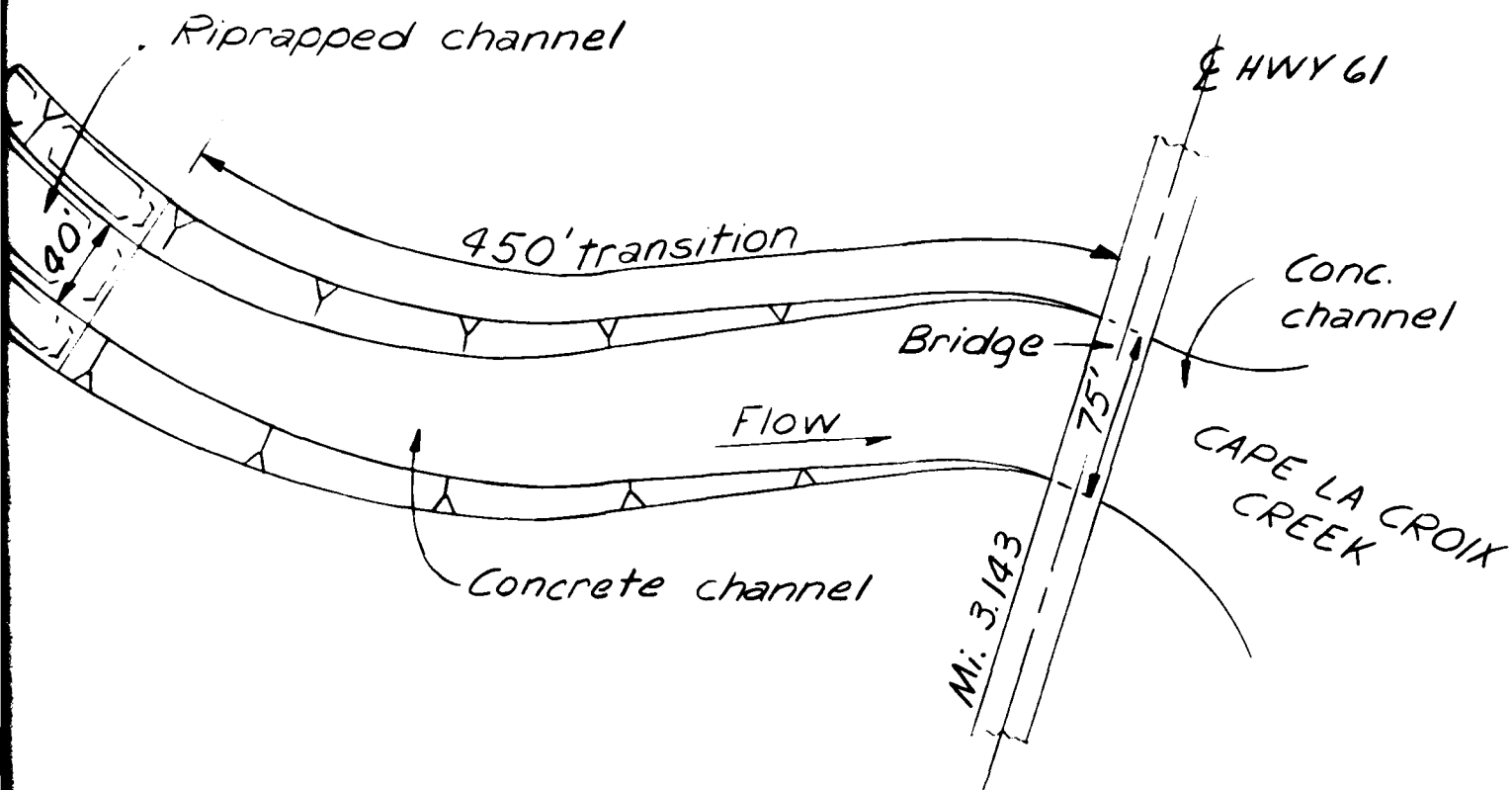




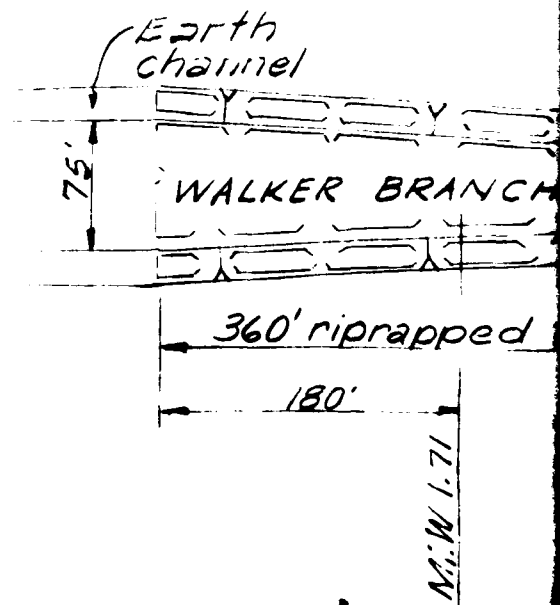
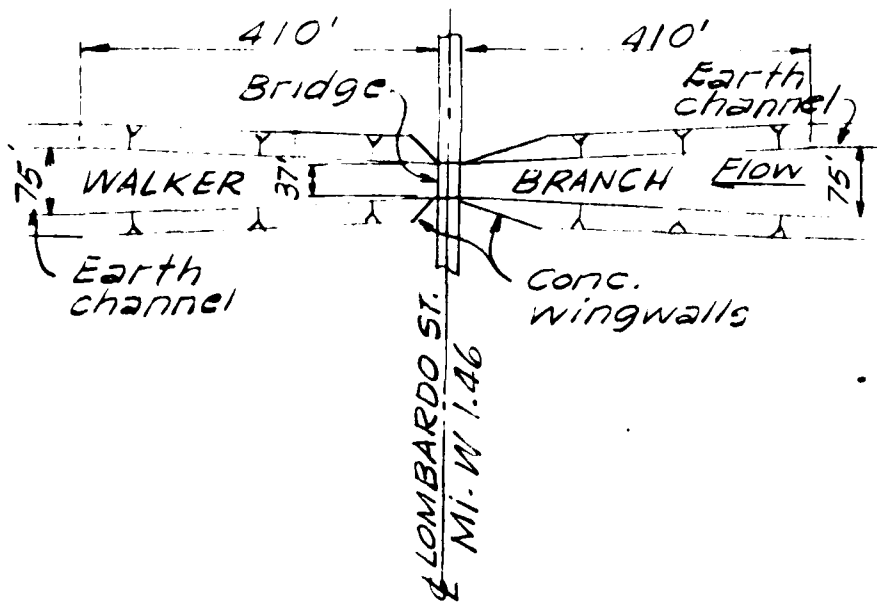
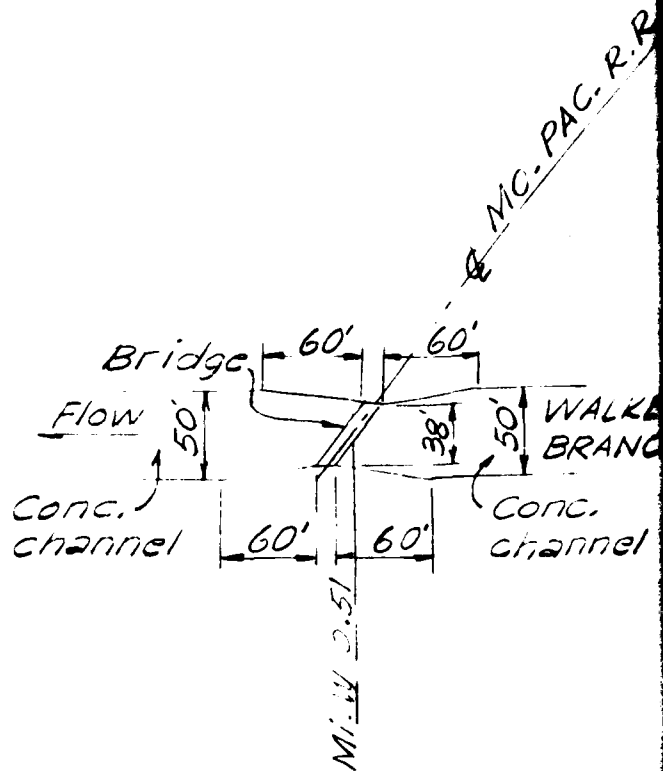
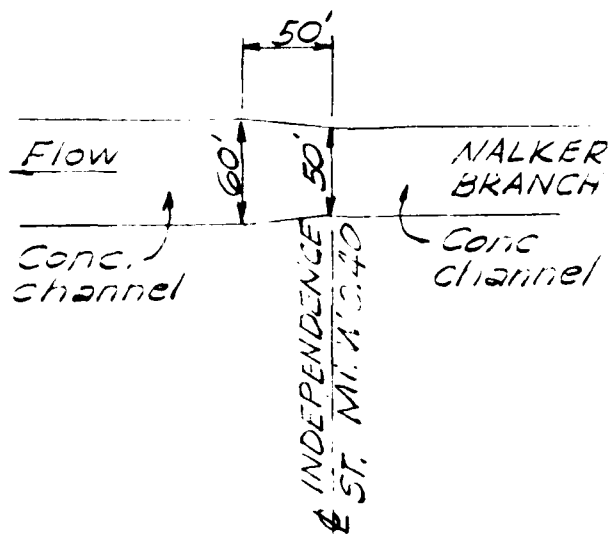
**SITIONS**

**SCALE**

FLOO  
CA  
CH  
U.S.

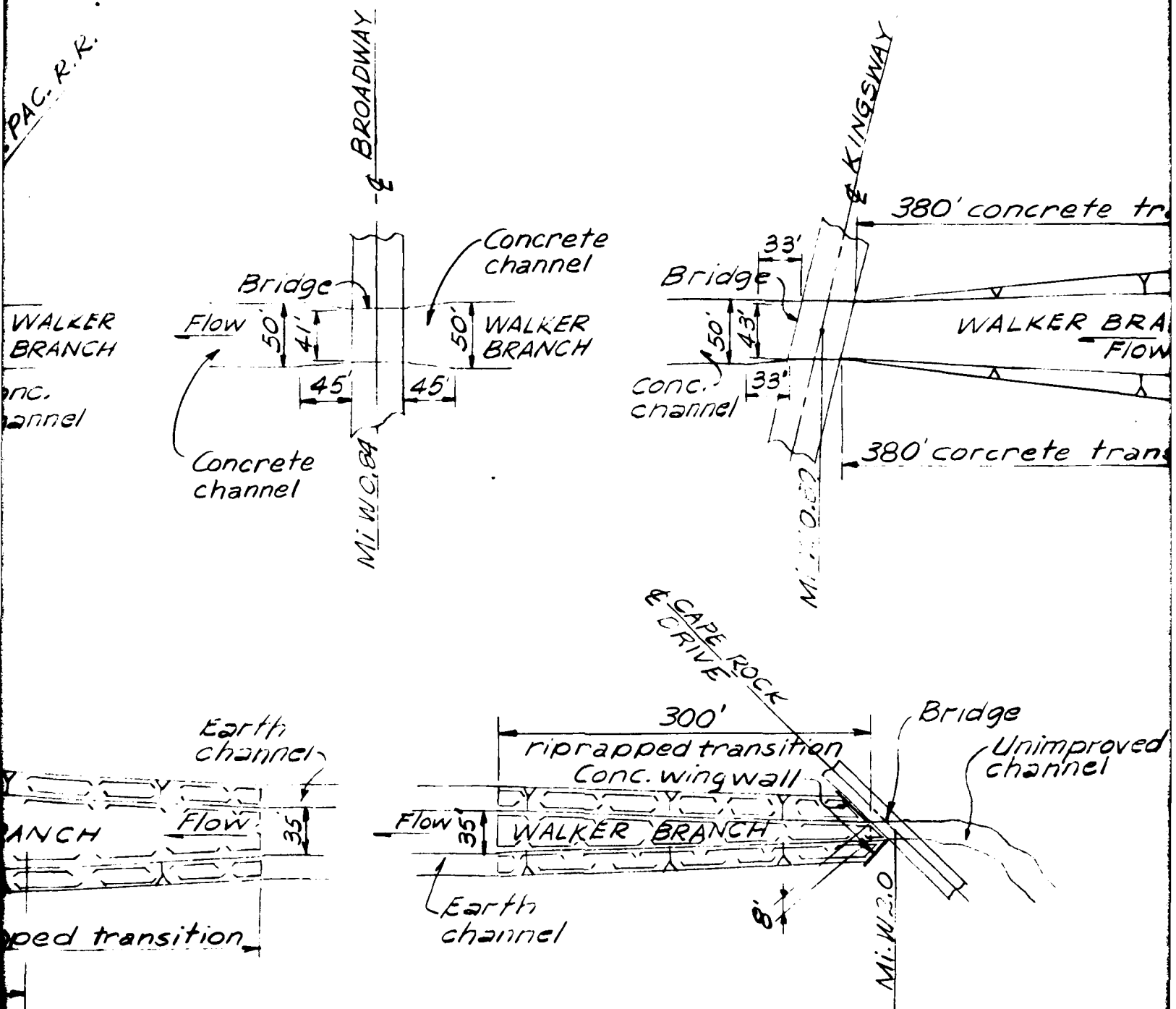


CAPE GIRARDEAU-JACKSON  
 METROPOLITAN AREA  
 MISSOURI 12063  
 RECOMMENDED PLAN  
 FLOOD CONTROL COMPONENTS  
 CAPE LA CROIX CREEK  
 CHANNEL TRANSITIONS  
 U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
 CORPS OF ENGINEERS  
 ST. LOUIS MO.



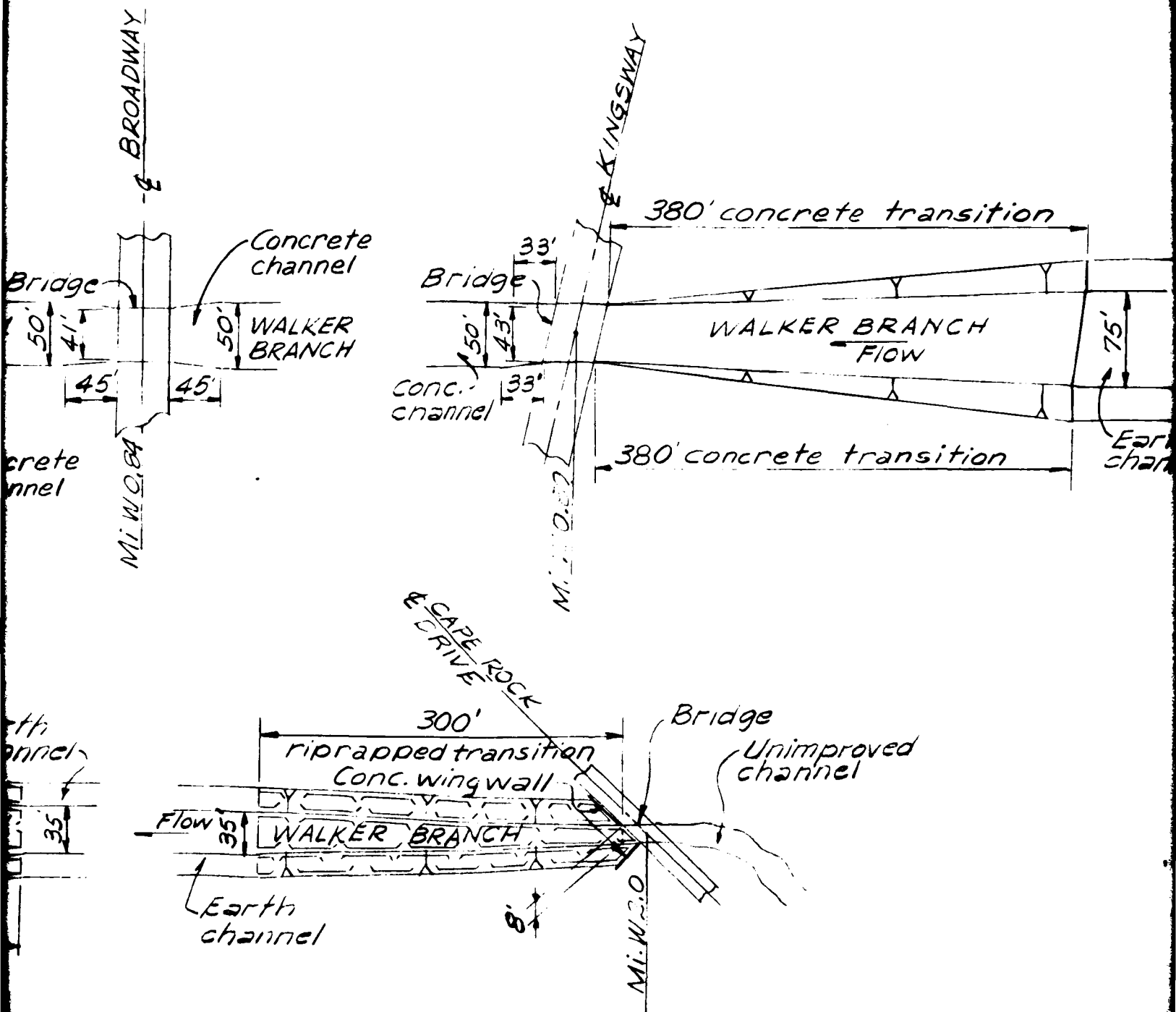
TRAN

PAC. R.R.

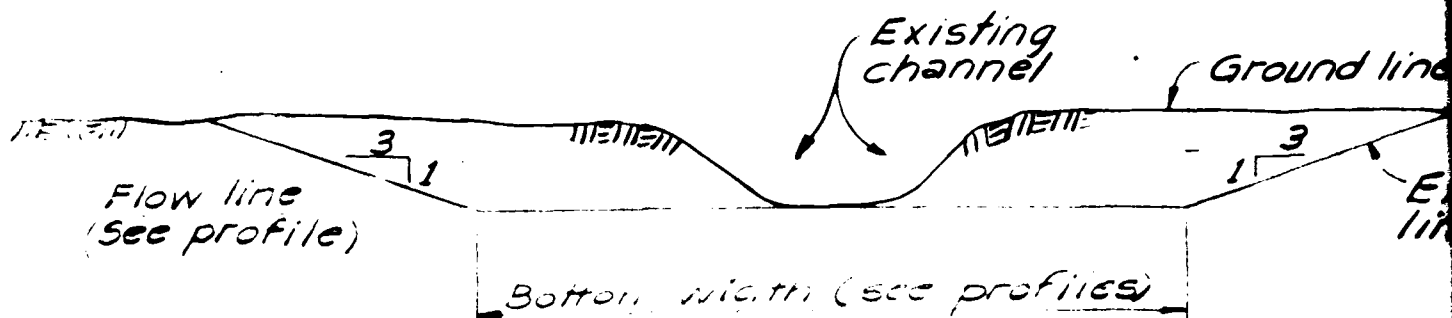


TRANSITIONS

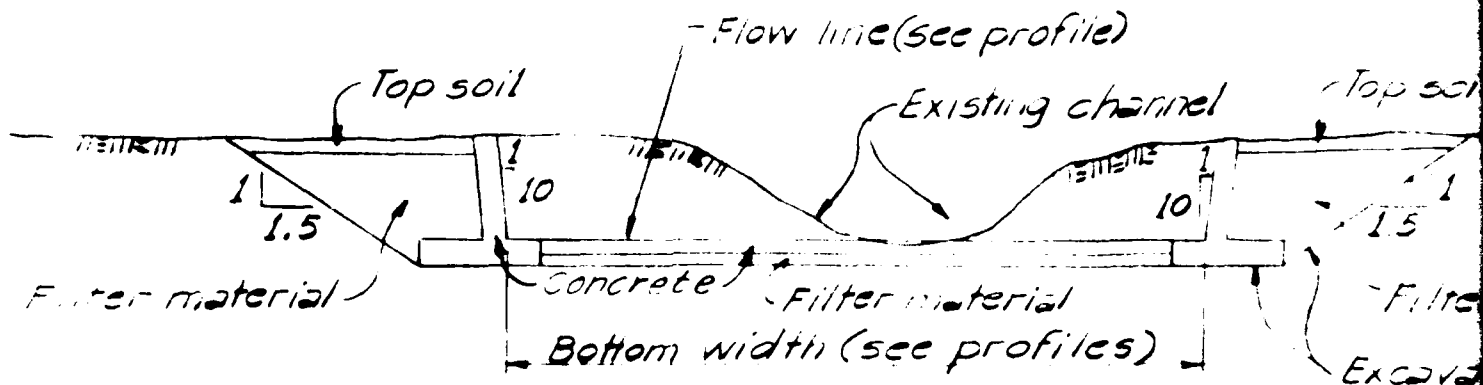
NO SCALE



CAPE GIRARDEAU - JACKSON  
 METROPOLITAN AREA  
 MISSOURI 12053  
 RECOMMENDED PLAN  
 FLOOD CONTROL COMPONE  
 WALKER BRANCH  
 CHANNEL TRANSITION  
 U.S. ARMY ENGINEER DISTRICT, ST. LO  
 CORPS OF ENGINEERS  
 ST. LOUIS, MO.



## EARTH CHANNEL

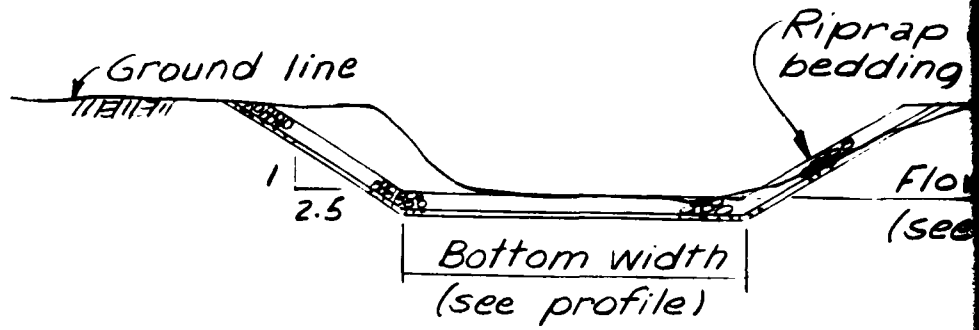


## CONCRETE CHANNEL

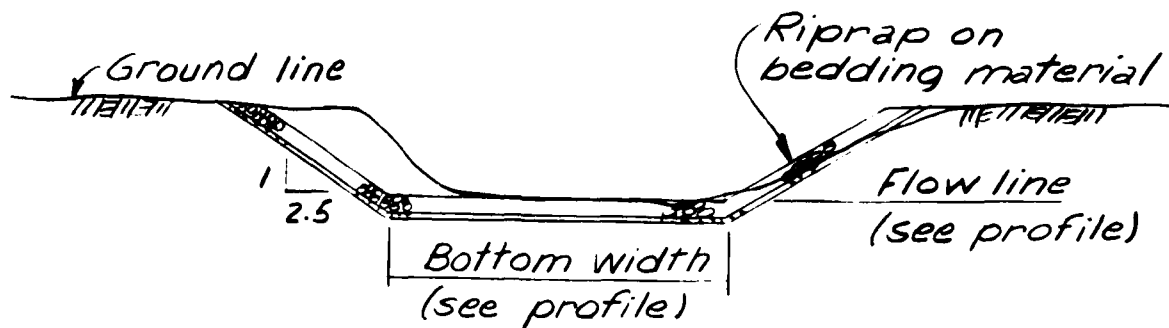
# TYPICAL CHANNEL SECTIONS

NO SCALE

Ground line  
Excavation line



Top soil  
Ground line  
Excavation line  
Filter material  
Excavation line



CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12853  
RECOMMENDED PLAN  
FLOOD CONTROL COMPONENTS  
TYPICAL CHANNEL  
SECTIONS  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

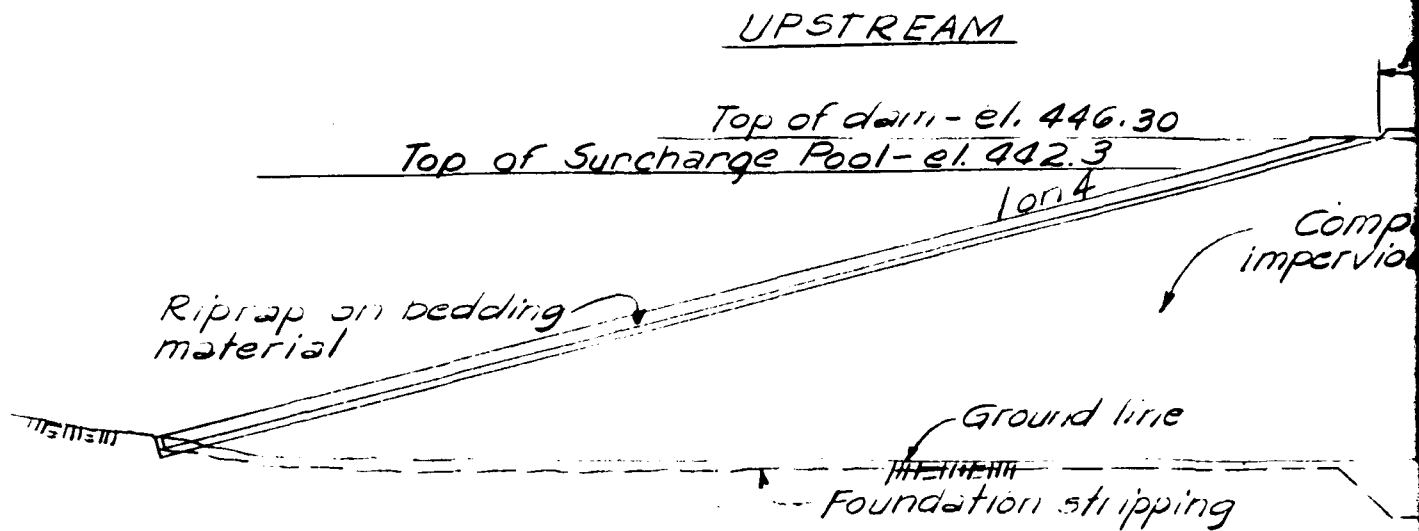
PLATE E-1



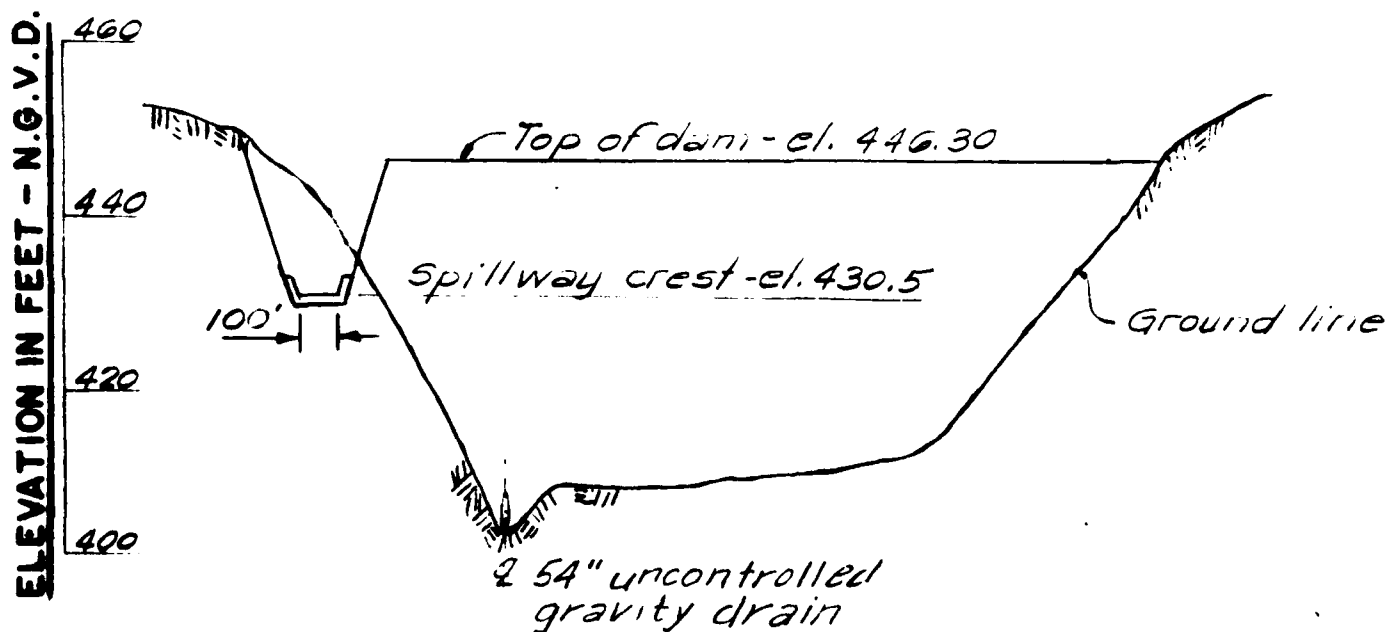
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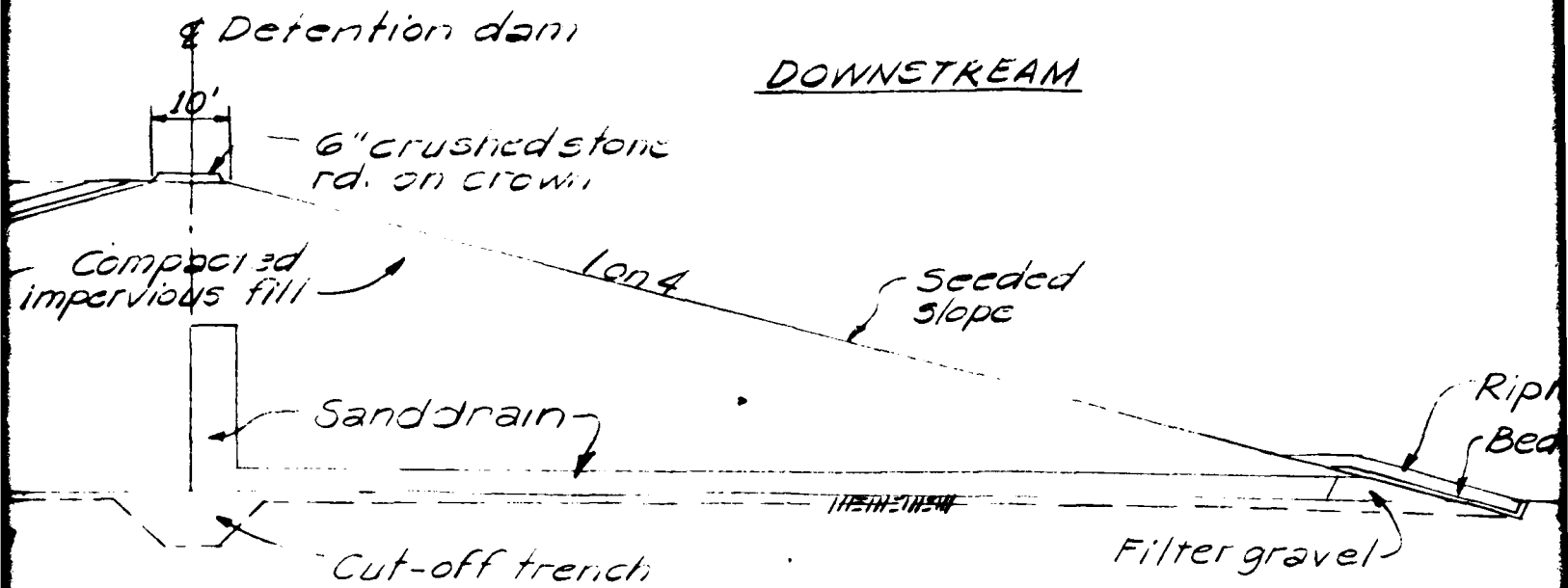


## DETENTION



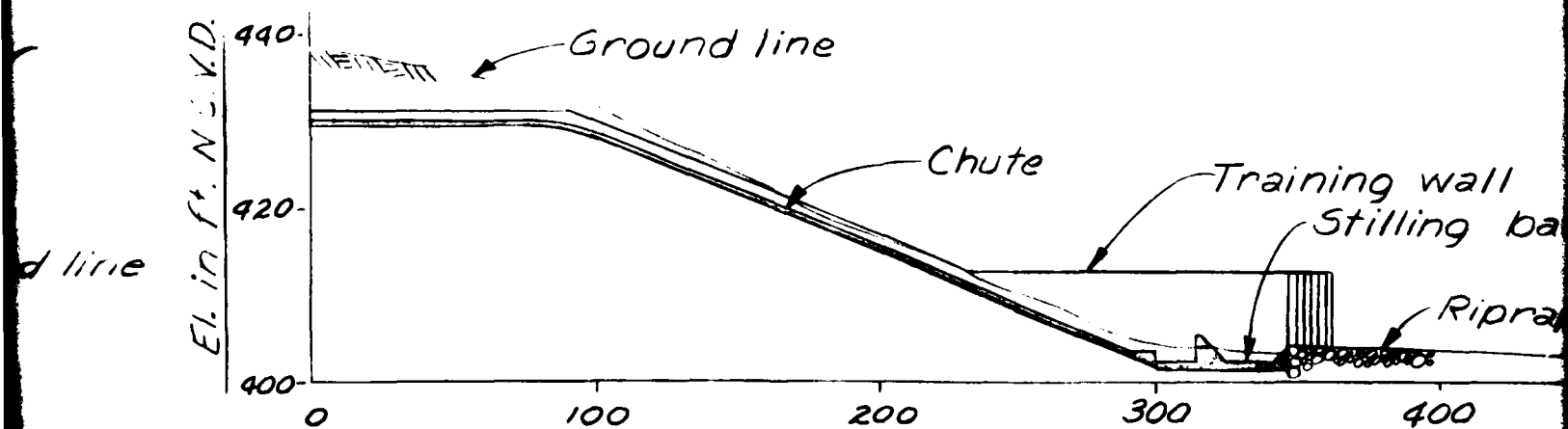
## DETENTION DAM PROFILE





## RETENTION DAM-TYP. SECTION

NO SCALE



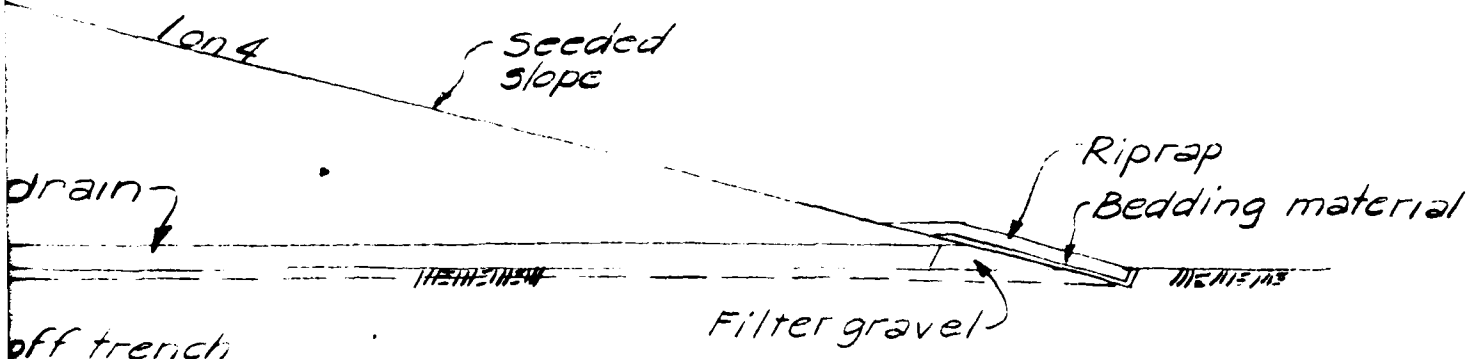
## SECTION THRU SPILLWAY

NO SCALE

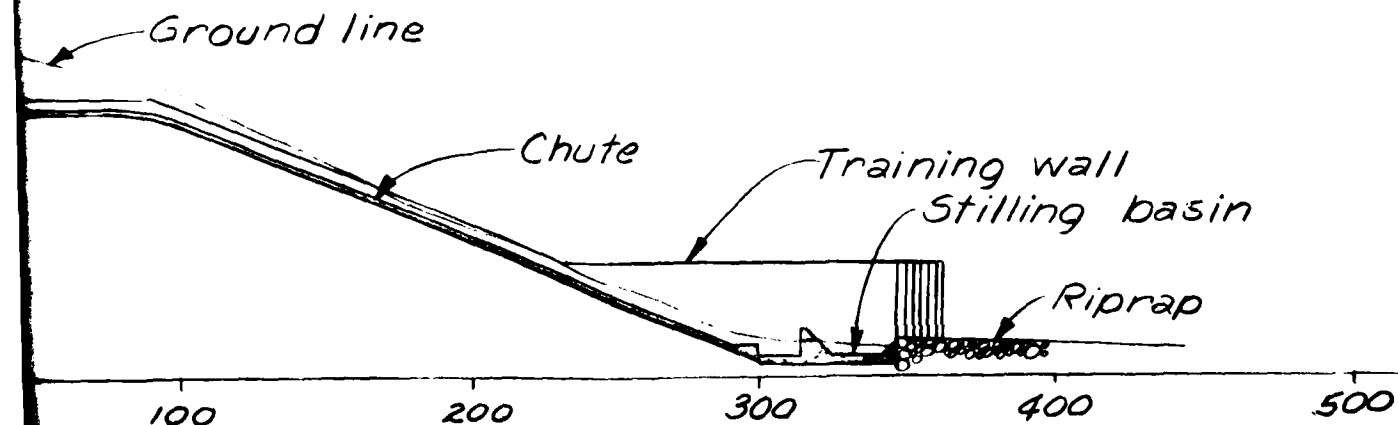
n dam

DOWNSTREAM

ashed stone  
crown



YP. SECTION



SECTION THRU SPILLWAY

NO SCALE

CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
RECOMMENDED PLAN  
DETENTION DAM  
PROFILE AND SECTION  
U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.

PLATE E-12



DETENTION  
RESERVIOR

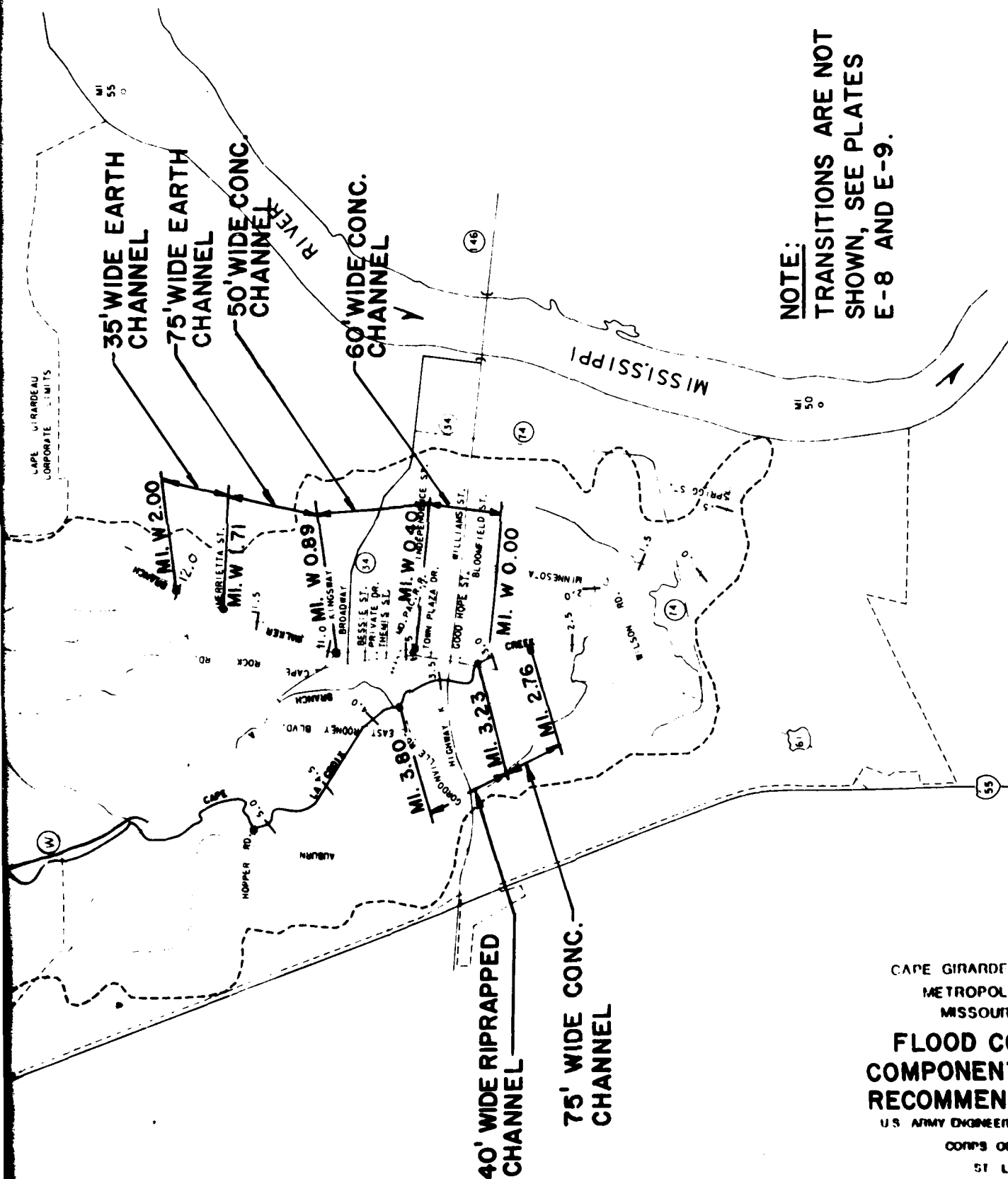
35' WIDE EARTH  
CHANNEL

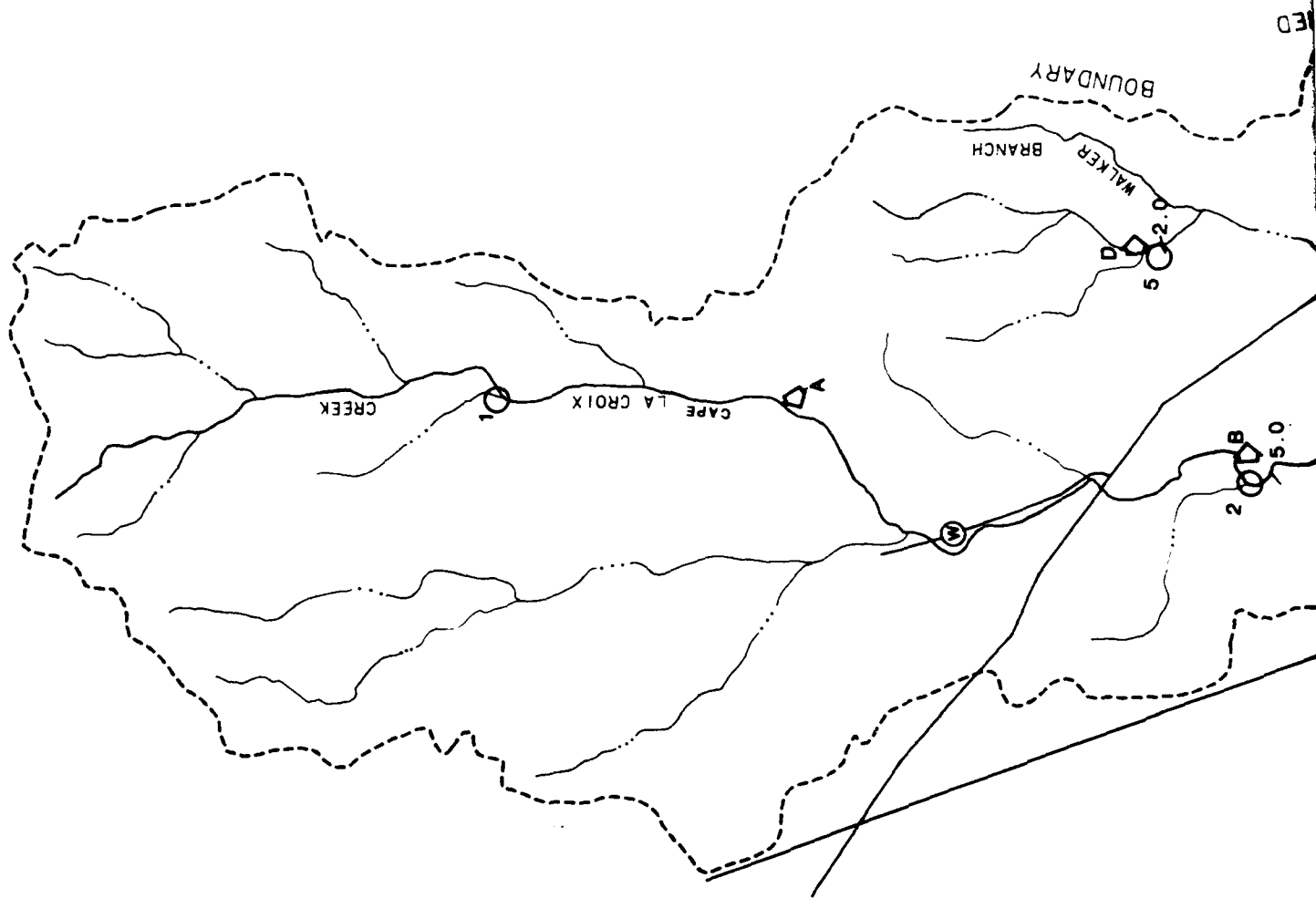
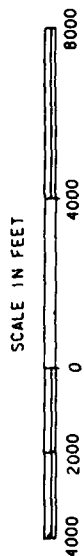
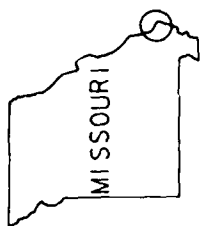
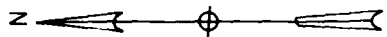
75' WIDE EARTH  
CHANNEL

50' WIDE CONC

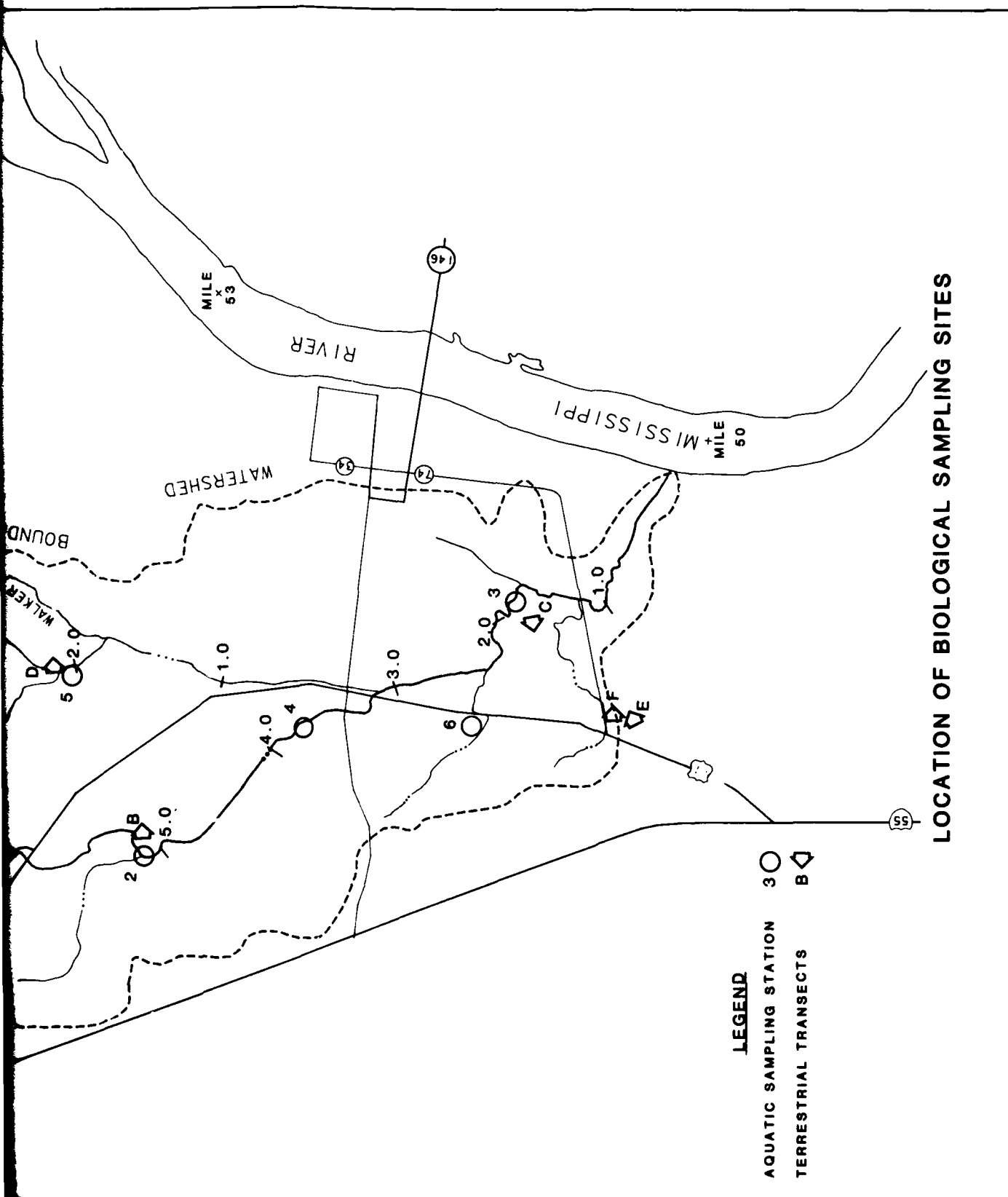
MI W 200

MI W 71

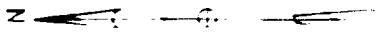






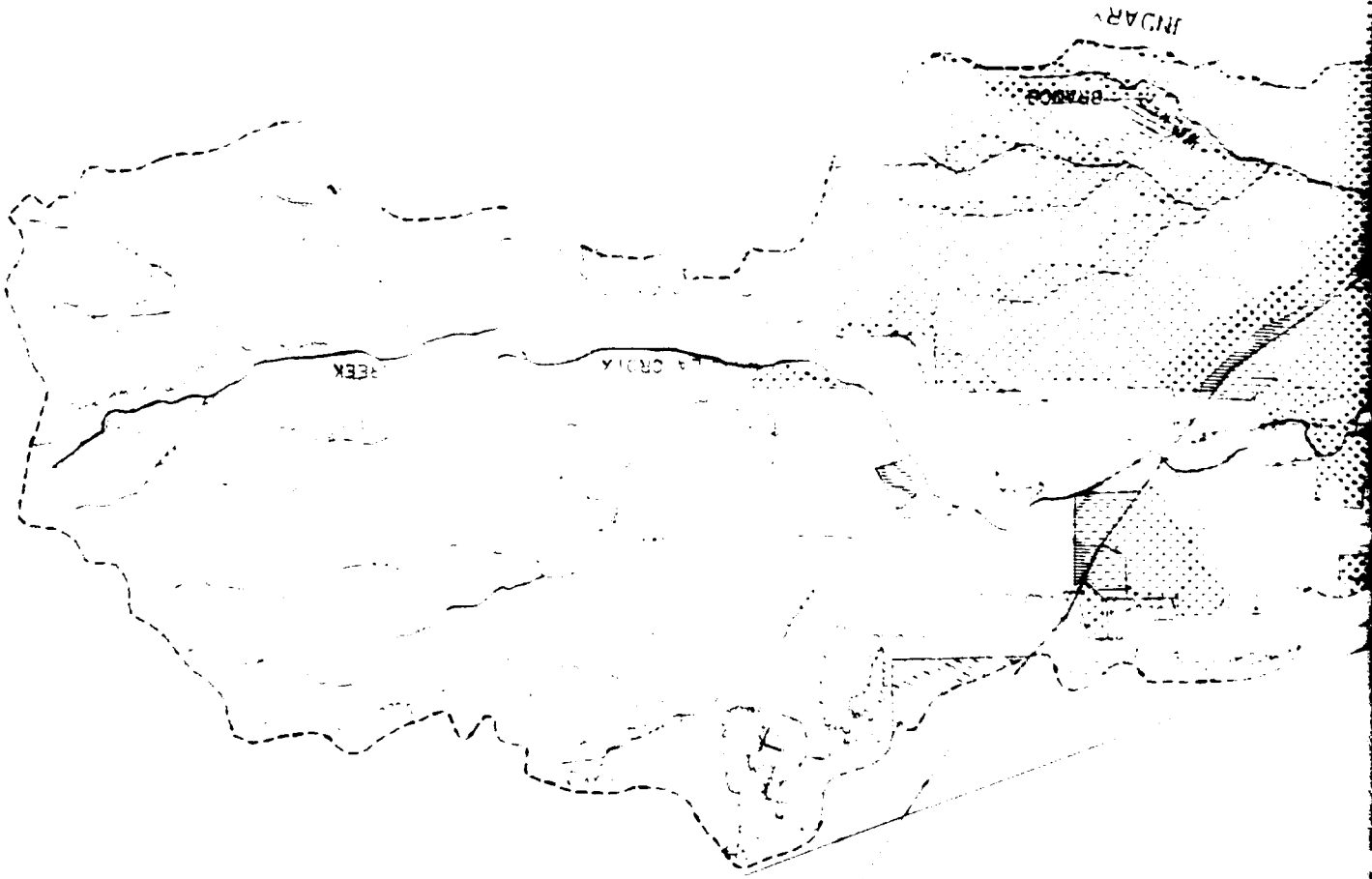


LOCATION OF BIOLOGICAL SAMPLING SITES



SCALE IN FEET

0 1 2 3 4 5



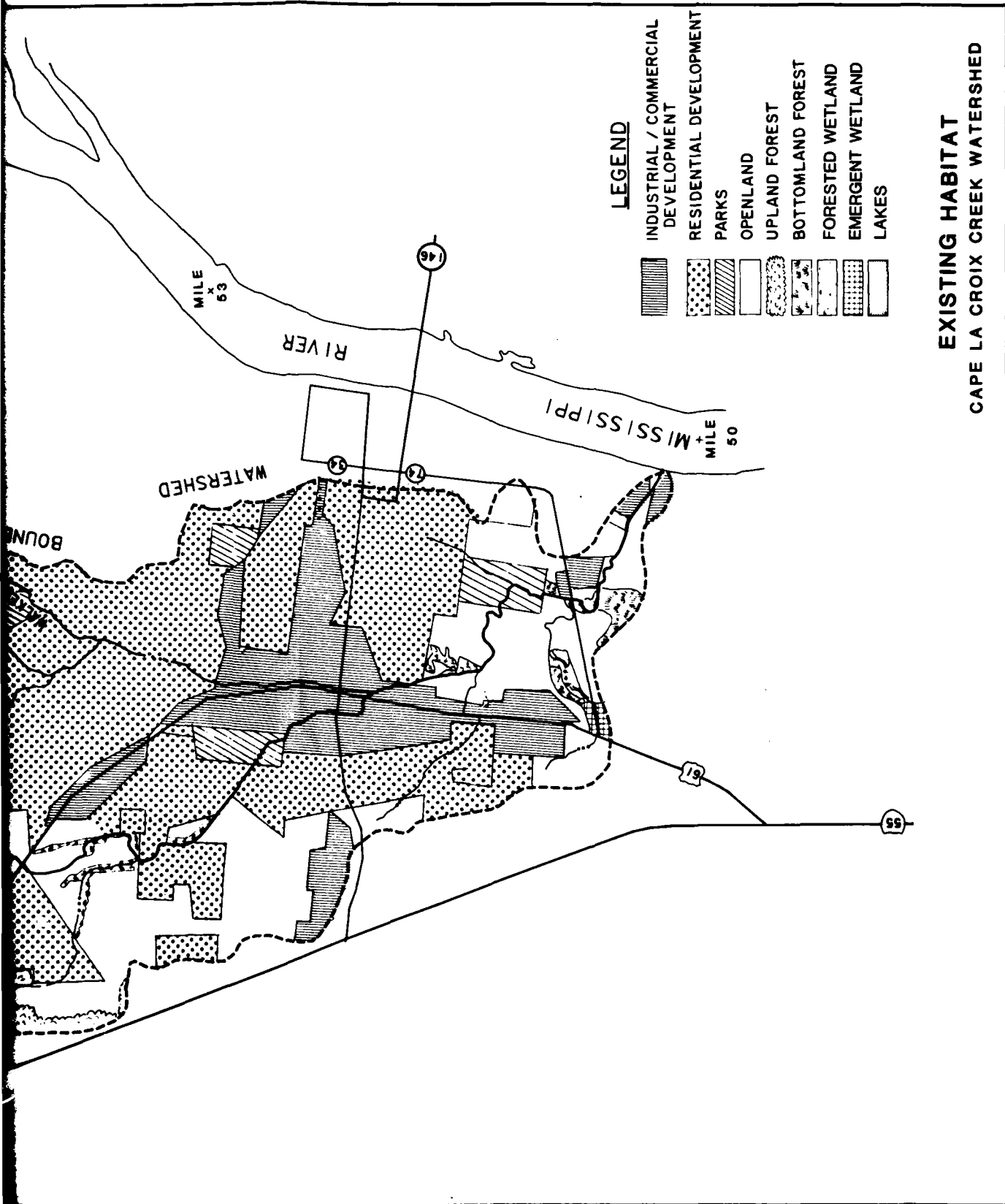
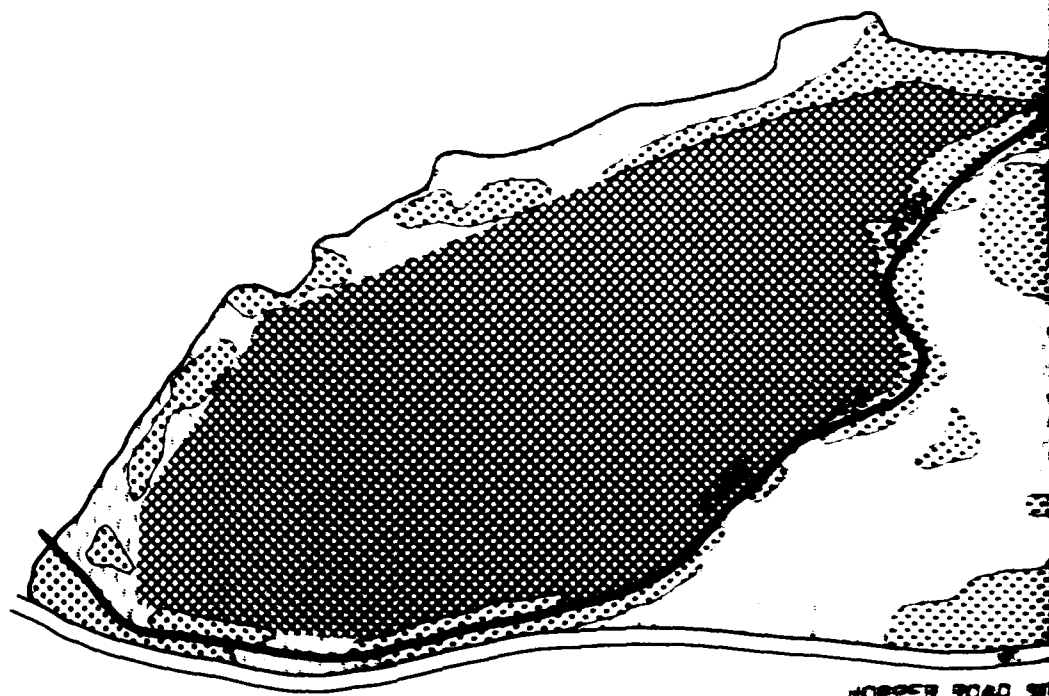
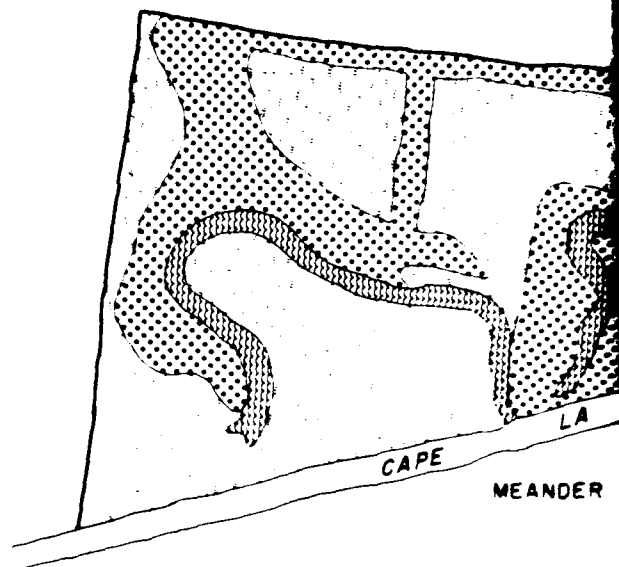
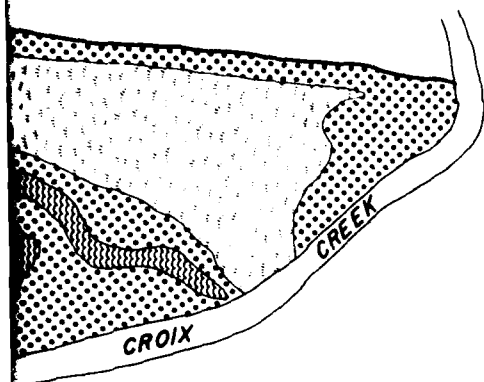
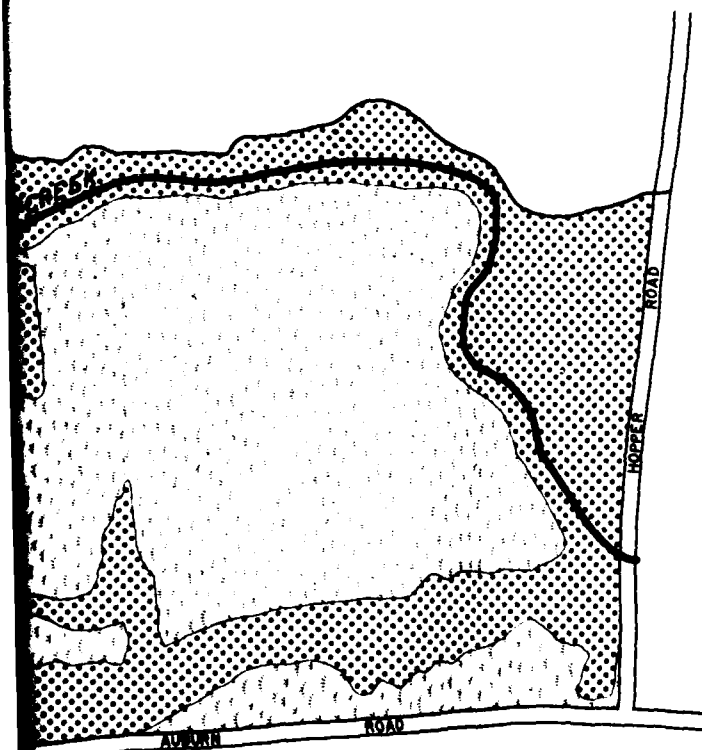


PLATE F-2









SITE



TE

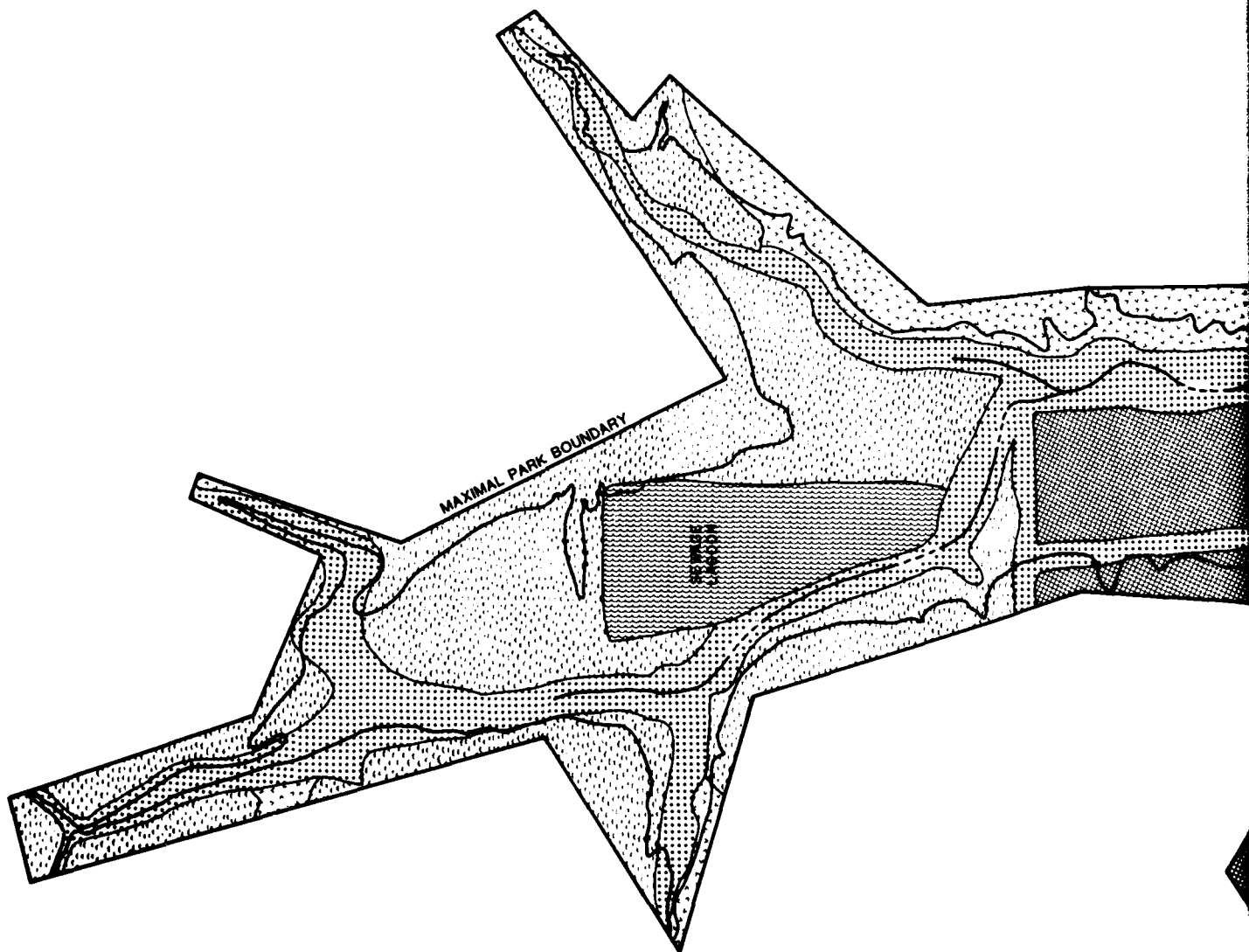
# LEGEND

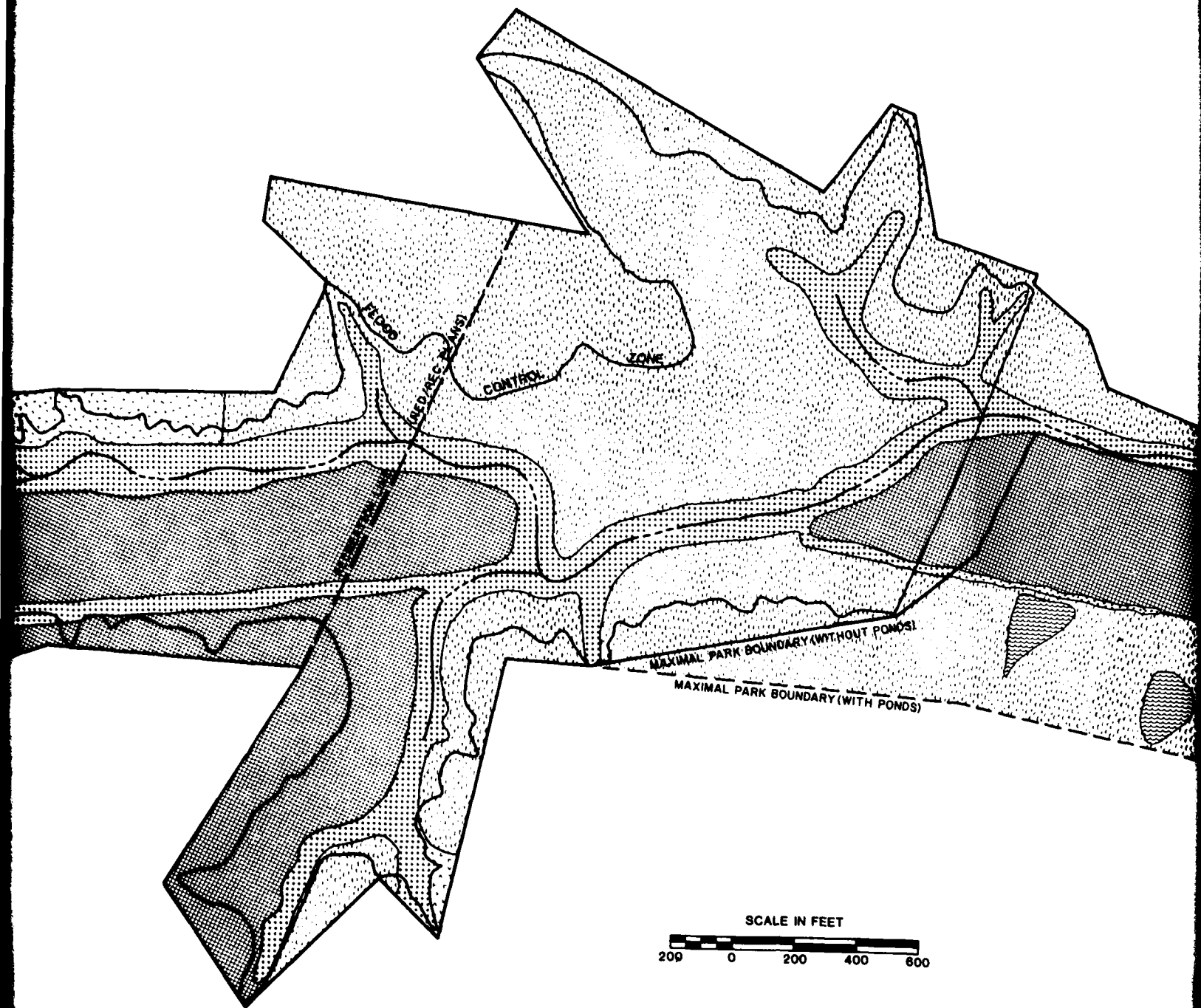
-  OPENLAND - OLD FIELD
-  BOTTOMLAND FOREST
-  CUTOFF MEANDERS
-  OPENLAND - ROW CROPS

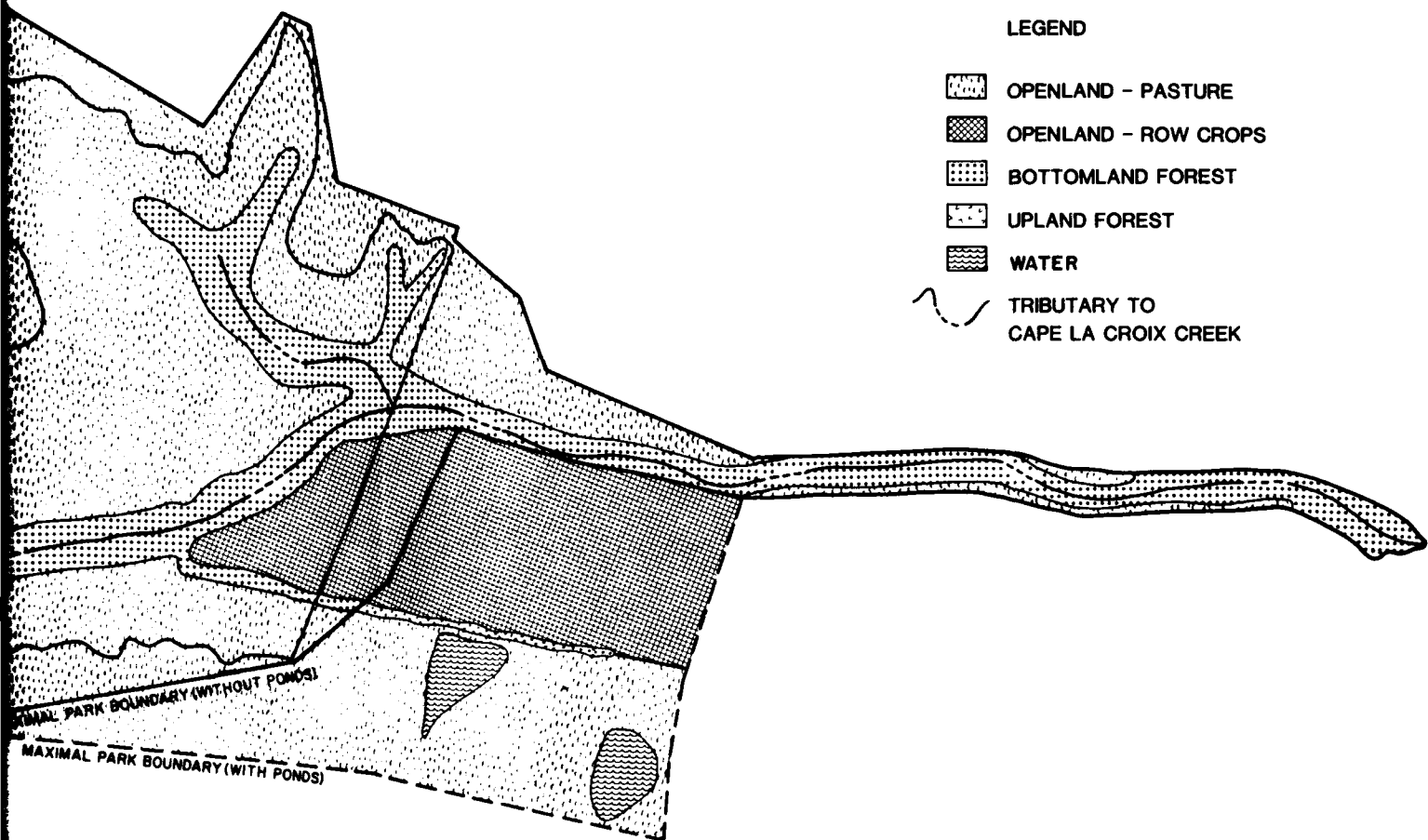


CAPE GIRARDEAU-JACKSON  
METROPOLITAN AREA  
MISSOURI 12053  
**EXISTING HABITAT-MEANDER  
AND HOPPER ROAD SITE**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO







CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA  
MISSOURI 12053

**EXISTING HABITAT  
DETENTION SITE**

U.S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MO.



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(13)  
CROSS M

SCALE 1:1000  
6000 4000 2000 0

Cap. 16000 A.  
CROSS M





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11-11-11



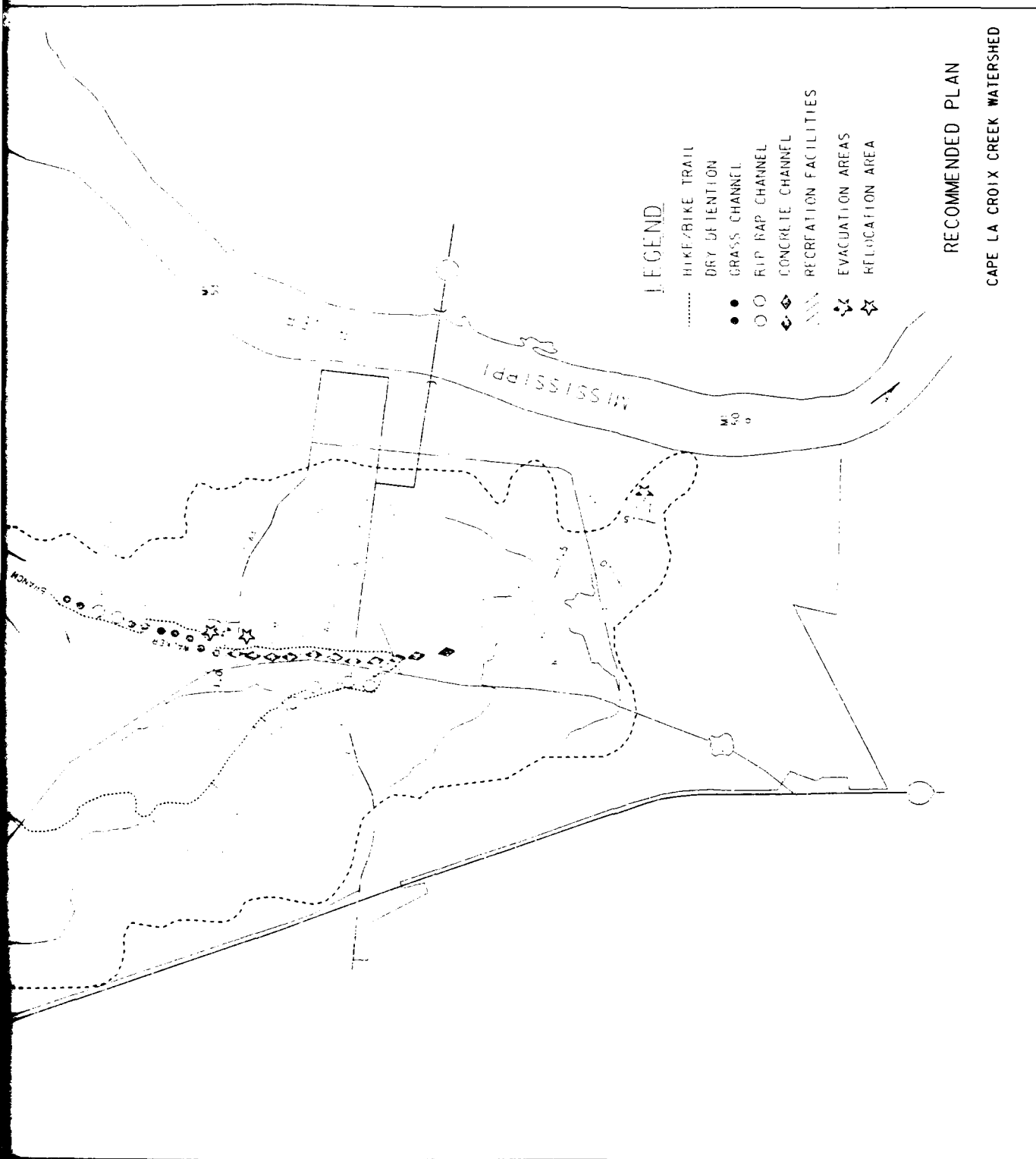


PLATE F6

1000

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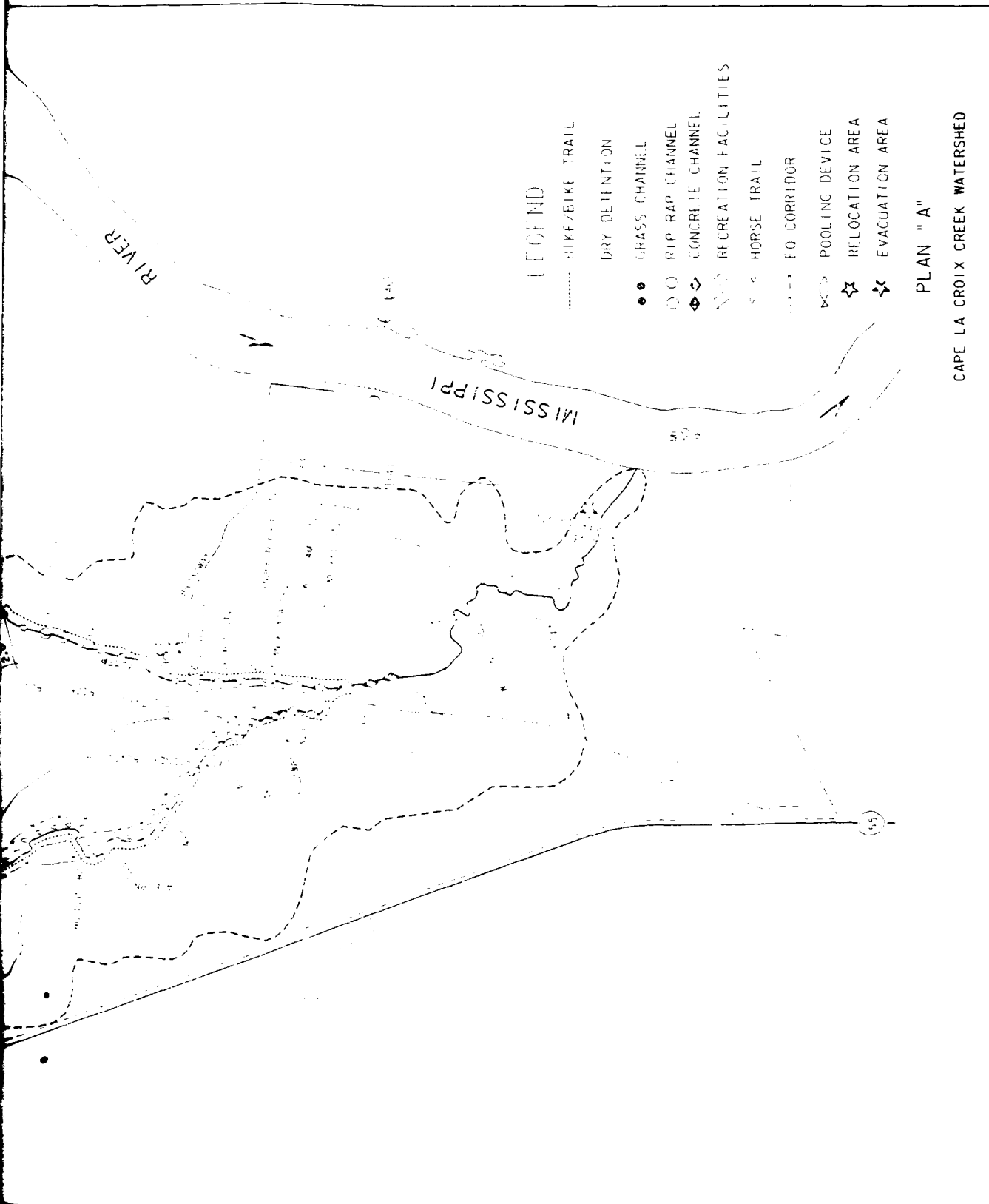
1000

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CAPE LA CROIX CREEK WATERSHED

PLAN "A"

10-A141 580

WATER RESOURCES INVESTIGATION CAPE GIRARDEAU - JACKSON  
METROPOLITAN AREA MISSOURI VOLUME 3 PLATES(U) ARMY  
ENGINEER DISTRICT ST LOUIS MO DEC 83

3/3

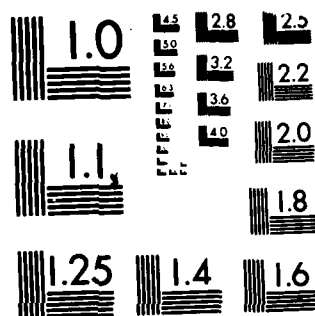
JNCLASSIFIED

F/G 13/2

NL



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DATE  
FILMED  
7-84  
DTIC



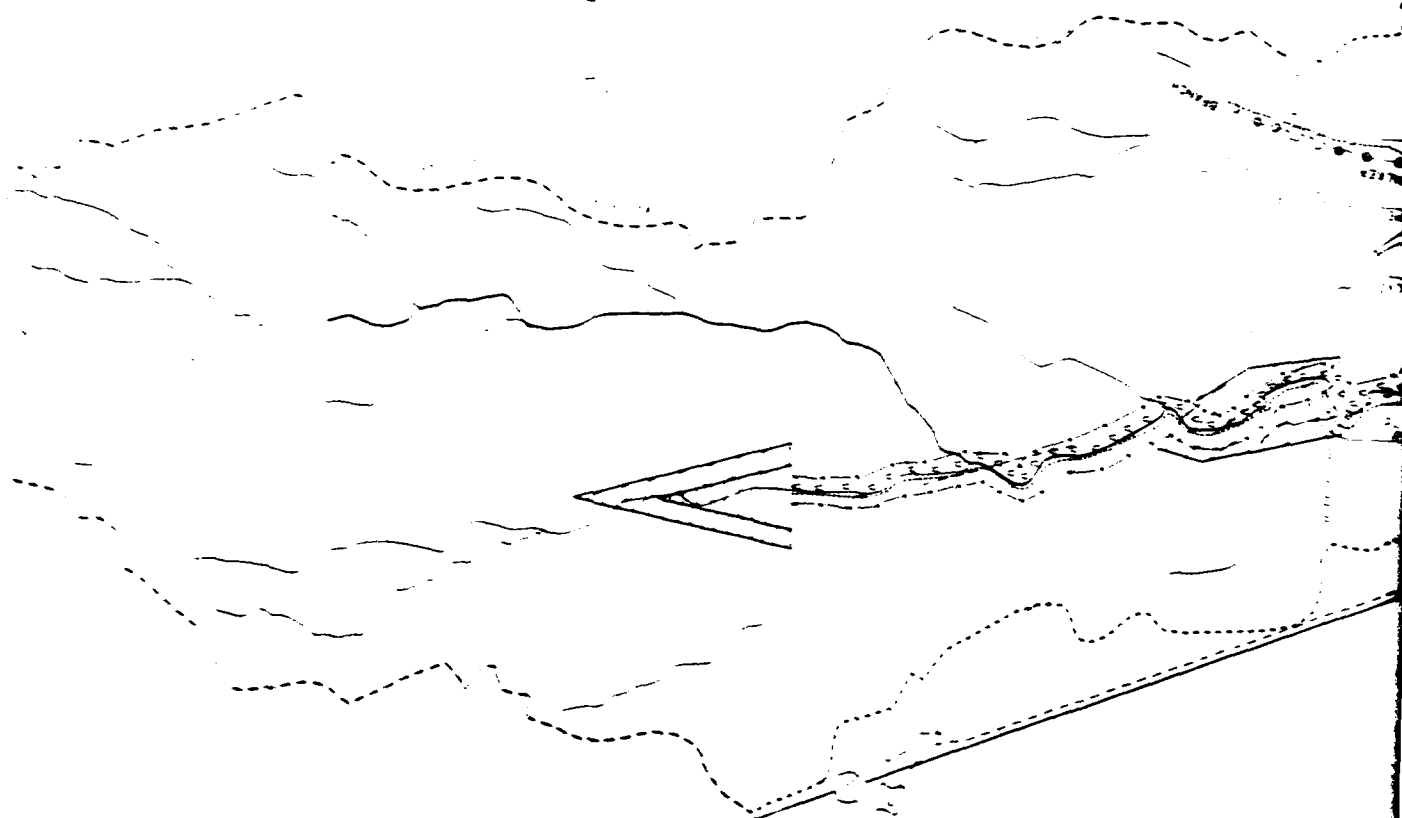
MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963 A





1000000

1000000



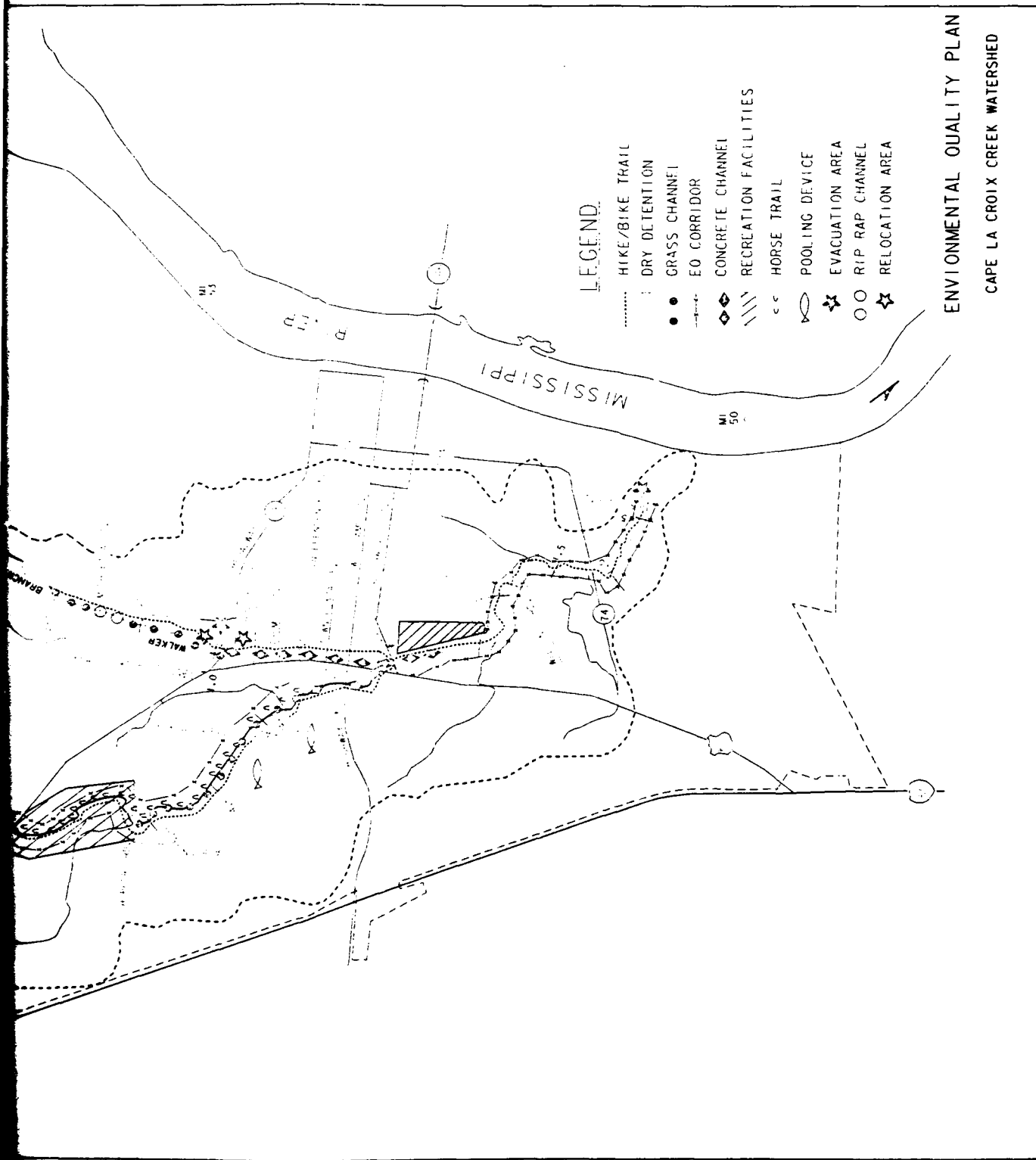
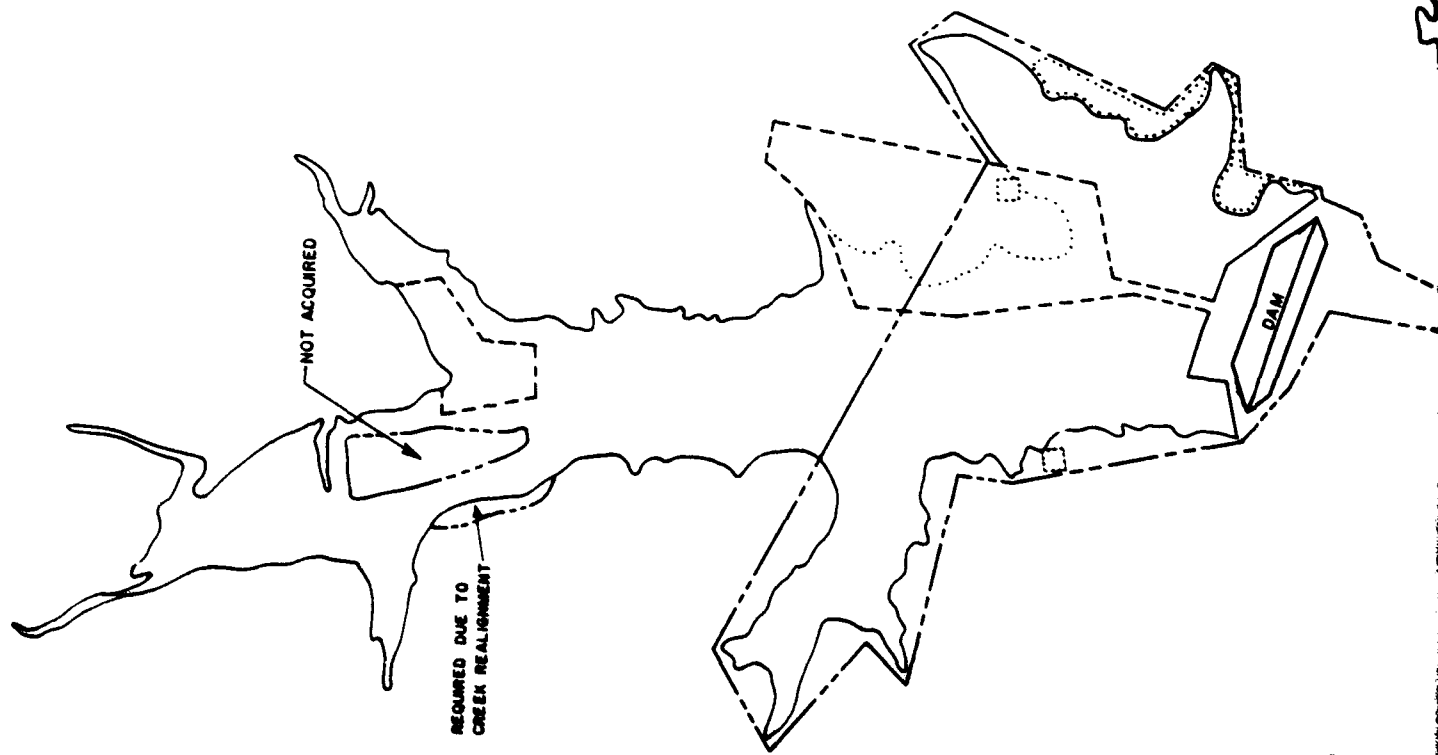
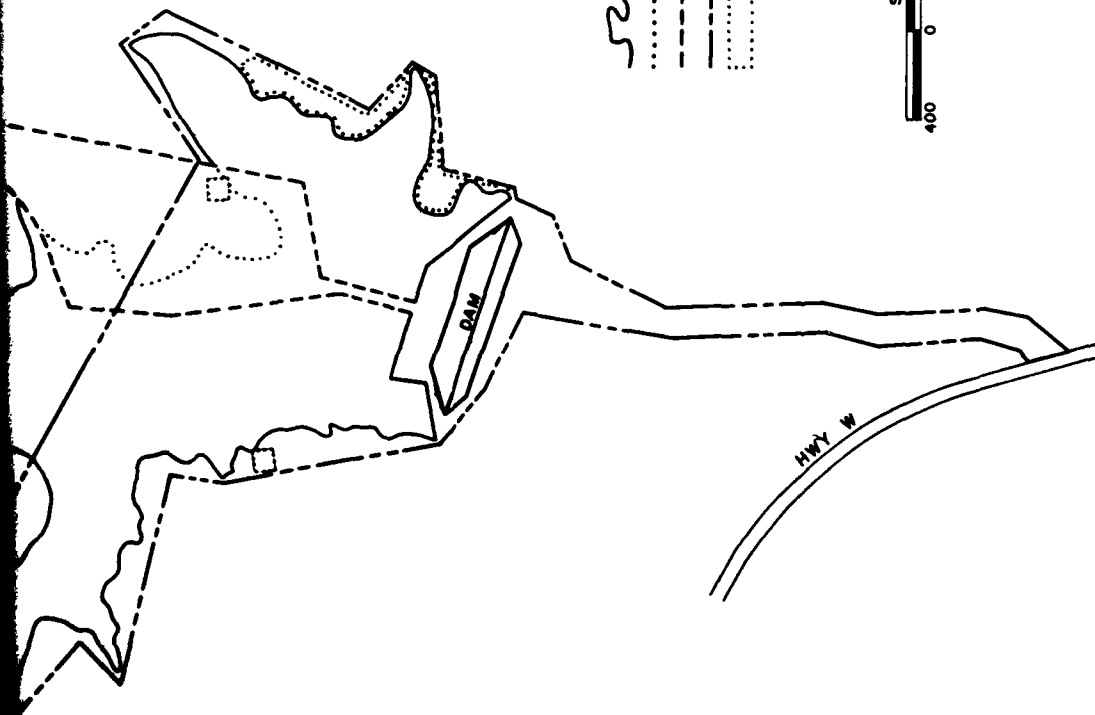


PLATE F8



LEGEND  
R- FLOWAGE EASEMENT

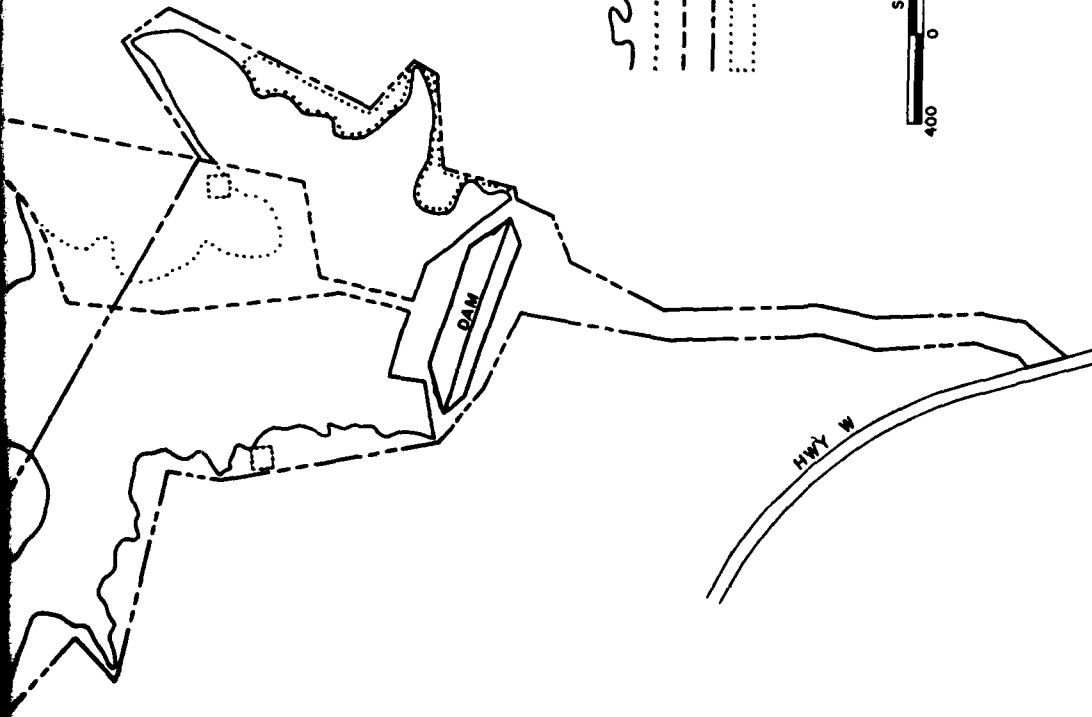


- LEGEND**
- FLOWAGE EASEMENT WITH IN BORROW EASEMENT
  - ..... FLOWAGE EASEMENT
  - - - - - BORROW EASEMENT
  - - - - - FEE PURCHASE
  - SEPARABLE LANDS



RECOMMENDED PLAN  
 DETENTION SITE 1  
 LAND ACQUISITION  
 CAPE LA CROIX CREEK WATERSHED

**PLATE F-9**



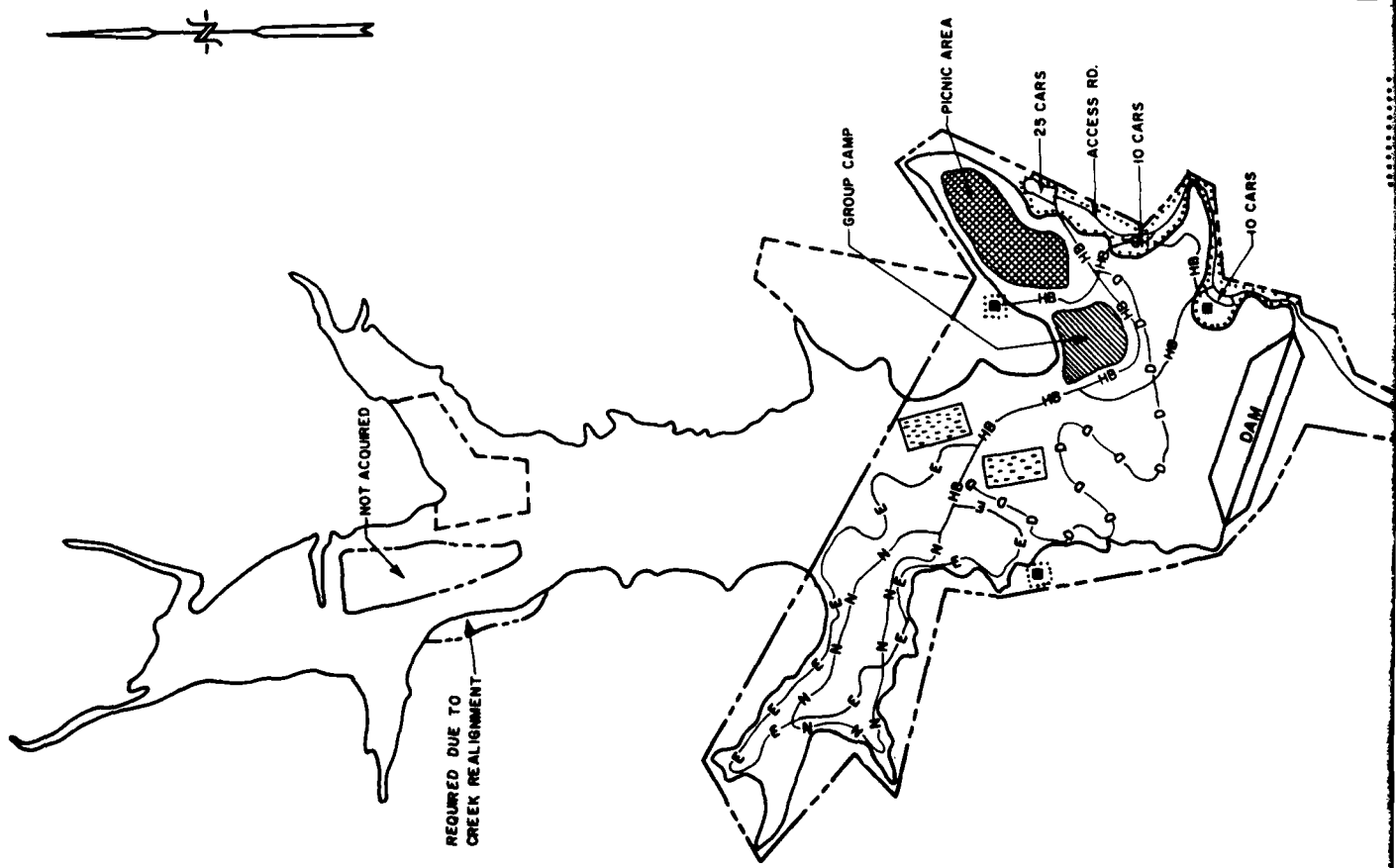
LEGEND

- FLOWAGE EASEMENT
- - - FLOWAGE EASEMENT WITH IN BORROW EASEMENT
- . - BORROW EASEMENT
- . - FEE PURCHASE
- SEPARABLE LANDS

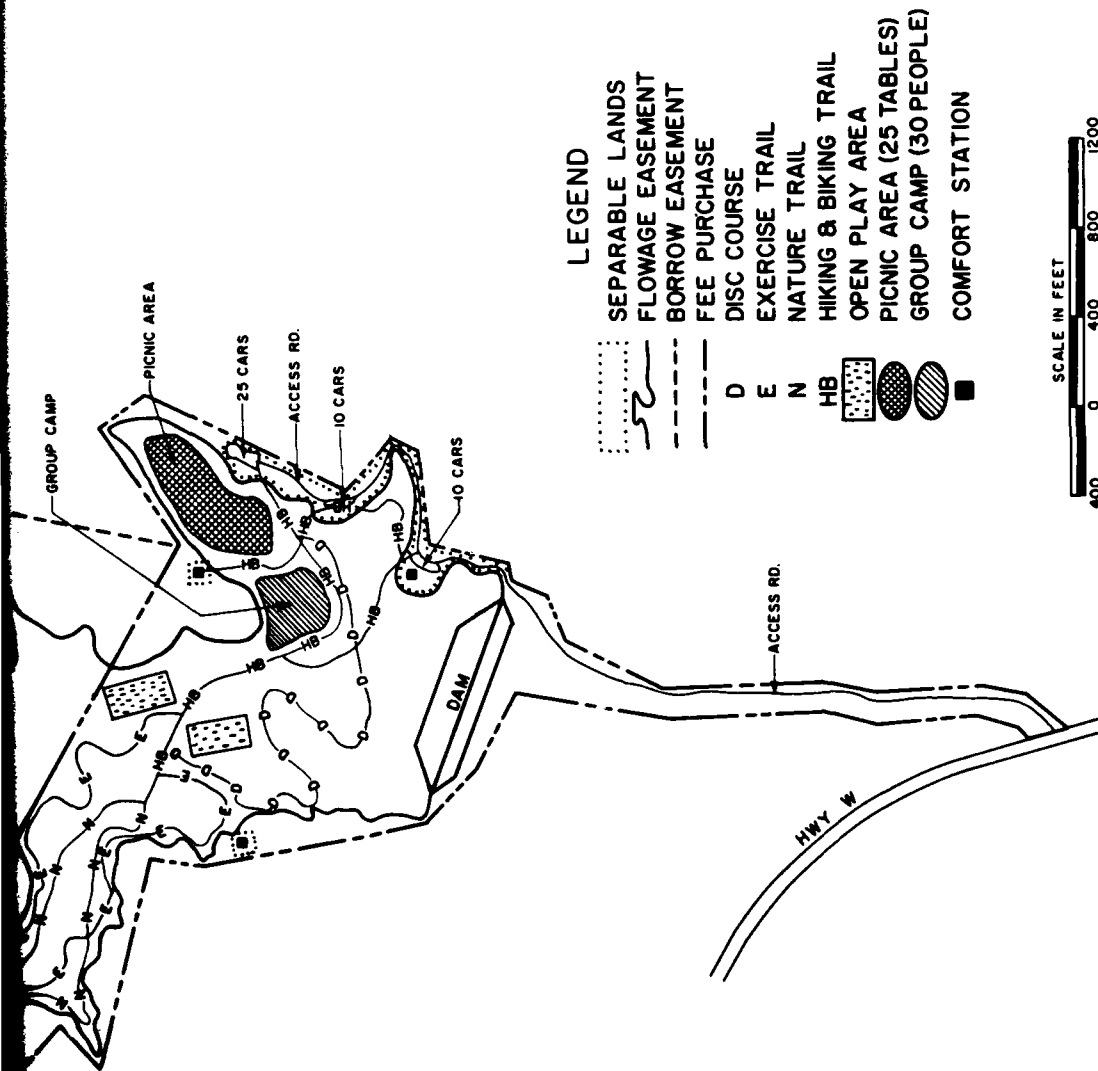


RECOMMENDED PLAN  
DETENTION SITE I  
LAND ACQUISITION  
CAPE LA CROIX CREEK WATERSHED

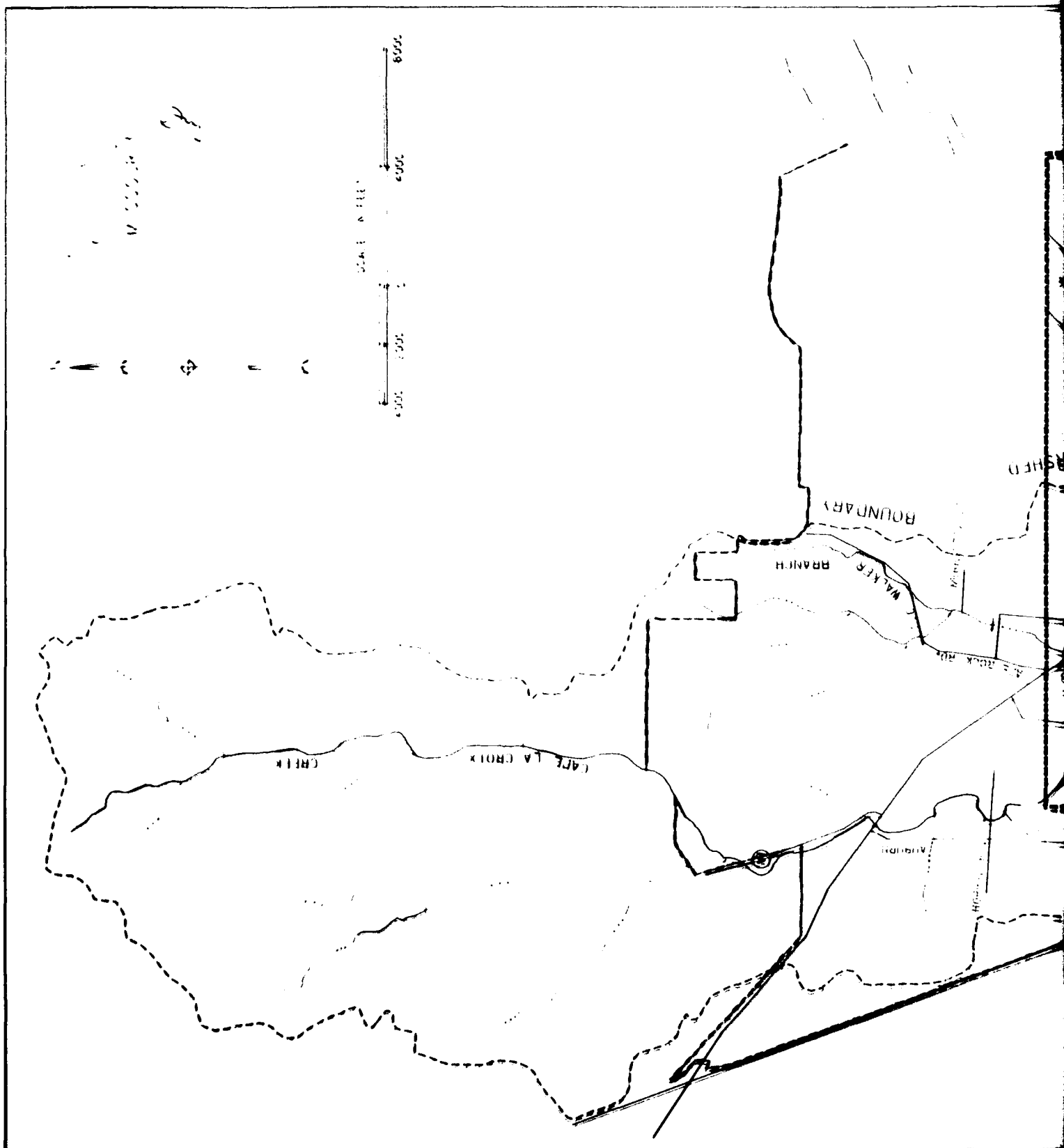
PLATE F-9



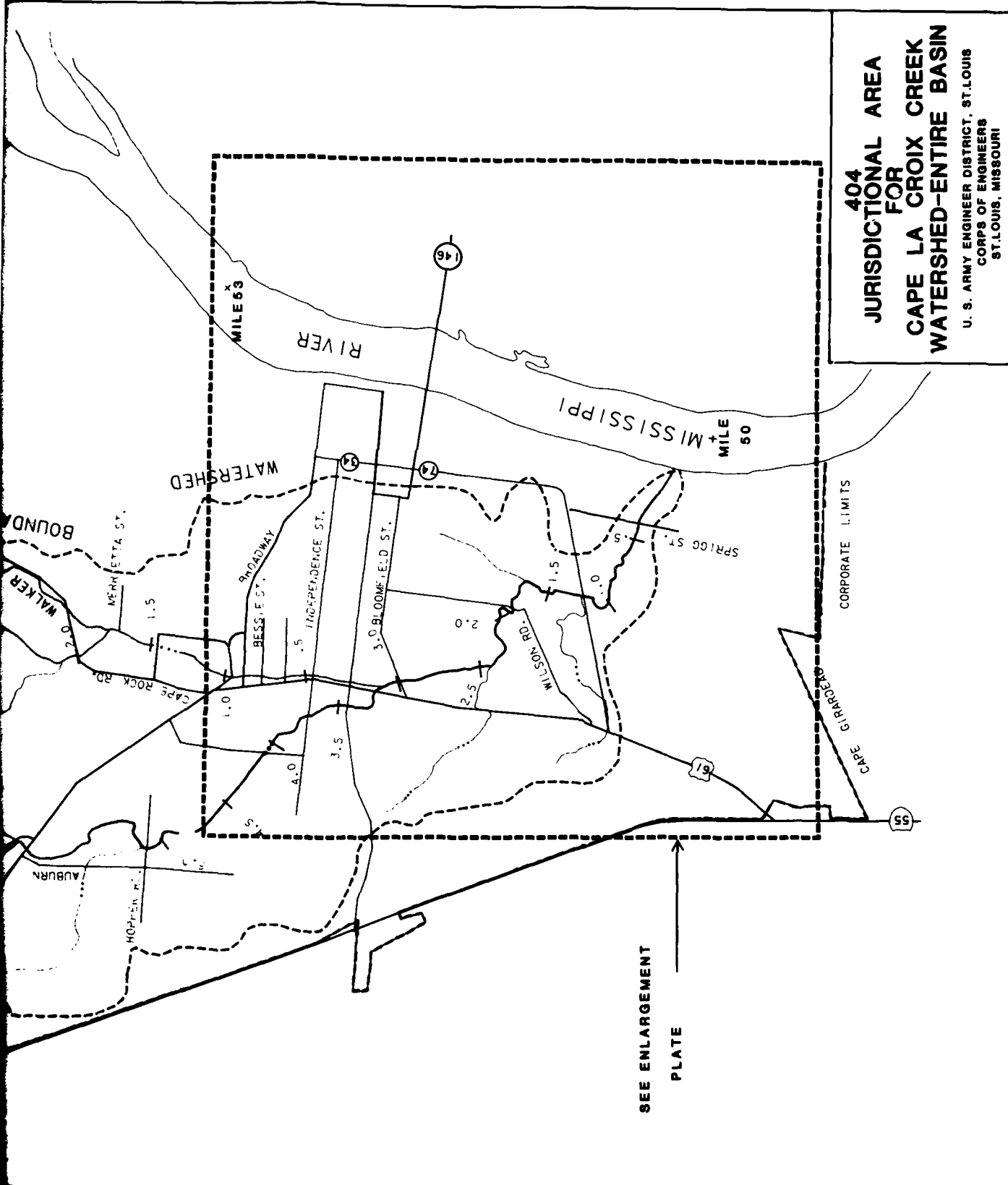
LEGEND



RECOMMENDED PLAN  
 DETENTION SITE I  
 RECREATION PLAN  
 CAPE LA CROIX CREEK WATERSHED  
 PLATE F-10







404  
JURISDICTIONAL AREA  
FOR  
CAPE LA CROIX CREEK  
WATERSHED-ENTIRE BASIN  
U. S. ARMY ENGINEER DISTRICT, ST. LOUIS  
CORPS OF ENGINEERS  
ST. LOUIS, MISSOURI

PLATE I-1

SEE ENLARGEMENT  
PLATE

